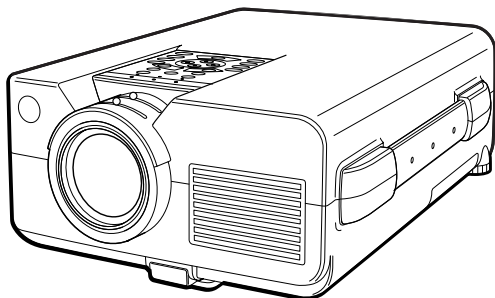


SHARP SERVICE MANUAL SERVICE-ANLEITUNG

S01B4XG-C40XU



LCD PROJECTOR LCD PROJEKTOR

MODELS MODELLE **XG-C40XU/XE**

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

Im Interesse der Benutzersicherheit (erforderliche Sicherheitsregeln in einigen Ländern) muß das Gerät in seinen Originalzustand gebracht werden. Außerdem dürfen für die spezifizierten Bauteile nur identische Teile verwendet werden.

CONTENTS

INHALT

	Page		Seite
• SPECIFICATIONS	2	• TECHNISCHE DATEN	48
• INPORTANT SERVICE SAFTY NOTES(for USA)	3	• HINWEISE FÜR DAS WARTUNGSPERSONAL	49
• OPERATION MANUAL	7	• BEDIENUNGSANLEITUNG	50
• REMOVING OF MAJOR PARTS	13	• ENTFERNEN DER HAUPTTEILE	56
• RESETTING THE TOTAL LAMP TIMER	18	• NULLSTELLUNG DES LAMPEN- BETRIEBSSTUNDENZÄHLERS (GESAMTZEIT)	61
• THE OPTICAL UNIT OUTLINE	19	• ÜBERSICHT DER OPTIKEINHEIT	62
• CONVERGENCE AND FOCUS ADJUSTMENT	20	• EINSTELLUNG VON KONVERGENZ UND BRENNPUNKT	63
• ELECTRICAL ADJUSTMENT	25	• ELEKTRISCHE EINSTELLUNG	68
• ADJUSTING THE PC BOARD	31	• EINSTELLUNG DER PC-PLATINE	74
• TROUBLE SHOOTING TABLE	32	• FEHLERSUCHTABELLE	75
• CHASSIS LAYOUT	92	• CHASSIS-ANORDNUNG	92
• BLOCK DIAGRAM	94	• BLOCKSCHALTBILD	94
• OVERALL WIRING DIAGRAM	96	• GESAMTSCHALTPLAN	96
• DESCRIPTION OF SCHEMATIC DIAGRAM	98	• BESCHREIBUNG DES SCHEMATISCHEN SCHALTPLANS	98
• WAVEFORMS	99	• WELLENFORMEN	99
• SCHEMATIC DIAGRAM	100	• SCHEMATISCHER SCHALTPLAN	100
• PRINTED WIRING BOARD ASSEMBLIES	148	• LEITERPLATTENEINHEITEN	148
• PARTS LIST		• ERSATZTEILLISTE	
■ ELECTRICAL PARTS	158	■ ELEKTRISCHE BAUTEILE	158
■ CABINET AND MECHANICAL PARTS	178	■ GEHÄUSE UND MECHANISCHE BAUTEILE ...	178
■ ACCESSORIES PARTS	184	■ ZUBEHÖRTEILE	184
■ PACKING PARTS	184	■ VERPACKUNGSTEILE	184
• PACKING OF THE SET	185	• VERPACKEN DES GERÄTS	185

Specifications

Product type	LCD Projector
Model	XG-C40XU/XE
Video system	PAL/SECAM/NTSC 3.58/NTSC 4.43/DTV 480P/DTV 720P/DTV 1080I
Display method	LCD panel × 3, RGB optical shutter method
LCD panel	Panel size: 22.9 mm (0.9") (13.9 [H] × 18.5 [W] mm) Display method: Translucent TN liquid crystal panel Drive method: TFT (Thin Film Transistor) Active Matrix panel No. of dots: 786,432 dots (1,024 [H] × 768 [V])
Lens	1–1.3 × zoom lens, F1.7–2.0, f = 33–43 mm
Projection lamp	DC 200 W lamp
Contrast ratio	250:1
Video input signal	RCA Connector: VIDEO, composite video, 1.0 Vp-p, sync negative, 75 Ω terminated RCA Connector: AUDIO, 0.5 Vrms more than 22 kΩ (stereo)
S-video input signal	4-pin Mini DIN connector Y (luminance signal): 1.0 Vp-p, sync negative, 75 Ω terminated C (chrominance signal): Burst 0.286 Vp-p, 75 Ω terminated
Horizontal resolution	560 TV lines (video input), 750 TV lines (DTV 720P input, Dot by Dot)
Audio output	3 W (monaural)
Computer RGB input signal	15-PIN MINI D-SUB CONNECTOR (INPUT 1, 2): RGB separate/composite sync/sync on green type analog input: 0–0.7 Vp-p, positive, 75 Ω terminated STEREO MINIJACK: AUDIO, 0.5 Vrms, more than 22 kΩ (stereo) HORIZONTAL SYNC. SIGNAL: TTL level (positive/negative) or composite sync (Apple only) VERTICAL SYNC. SIGNAL: Same as above
Pixel clock	12–230 MHz
Vertical frequency	43–200 Hz
Horizontal frequency	15–126 kHz
Computer control signal	9-pin Mini DIN female connector (RS-232C Input Port)
Speaker system	8 cm (3 1/2") round
Rated voltage	AC 100–240 V
Input current	3.3 A
Rated frequency	50/60 Hz
Power consumption	300 W
Operating temperature	41°F to + 104°F (+ 5°C to + 40°C)
Storage temperature	-4°F to + 140°F (- 20°C to + 60°C)
Cabinet	Plastic
I/R carrier frequency	38 kHz
Laser pointer of remote control	Wave length: 650 nm / Max. output: 1 mW / Class II Laser Product
Dimensions (approx.)	9 1/64" (W) × 4 49/64" (H) × 12 13/64" (D) (229 × 121 × 310 mm) (main body only) 9 19/32" (W) × 5 9/32" (H) × 14 7/64" (D) (243.5 × 134 × 358.4 mm) (including adjustment feet and projecting parts)
Weight (approx.)	10.6 lbs. (4.8 kg)
Supplied accessories	Remote control, Two AA size batteries, Power cord (11' 10" 3.6m), Computer RGB cable (9' 10" 3 m), Computer audio cable (9' 10" 3 m), USB mouse control cable (3' 3" 1 m), DIN-D-sub RS-232C cable (6 45/64" 15 cm), Remote mouse receiver, Extra air filter, Lens cap (attached), CD-ROM, LCD projector operation manual, LCD projector quick references, Sharp Advanced Presentation Software operation manual
Replacement parts	Lamp unit (Lamp/cage module) (BQC-XGC40XU/1), Remote control (RRMCG1579CESA), (RRMCG1584CESA), AA size batteries, Power cord (QACCU5013CEZZ(XG-C40XU), QACCB5024CENA(XG-C40XE), QACCV4002CEZZ(XG-C40XE)), Computer RGB cable (QCNWG0002CEZZ), Computer audio cable (QCNW-4870CEZZ), USB mouse control cable (QCNWG0007CEPZ), DIN-D-sub RS-232C cable (QCNW-5288CEZZ), Remote mouse receiver (RUNTK0673CEZZ), Air filter (PFILD0076CEZZ), Lens cap (GCOVH1307CESB), CD-ROM (UDSKA0053CEN1), (UDSKA0057CEN1), LCD projector operation manual (TINS-7482CEZZ), (TINS-7533CEZZ), LCD projector quick references (TINS-7483CEZZ), (TINS-7534CEZZ, TINS-7535CEZZ, TINS-7536CEZZ), Sharp Advanced Presentation Software operation manual (TINS-7538CEZZ), (TINS-7537CEZZ)

This SHARP projector uses LCD (Liquid Crystal Display) panels. These very sophisticated panels contain 786,432 pixels (× RGB) TFTs (Thin Film Transistors). As with any high technology electronic equipment such as large screen TVs, video systems and video cameras, there are certain acceptable tolerances that the equipment must conform to.

This unit has some inactive TFTs within acceptable tolerances which may result in illuminated or inactive dots on the picture screen. This will not affect the picture quality or the life expectancy of the unit.

Specifications are subject to change without notice.

IMPORTANT SERVICE SAFETY NOTES (for USA)

- Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and servicing guidelines as follows:

WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.

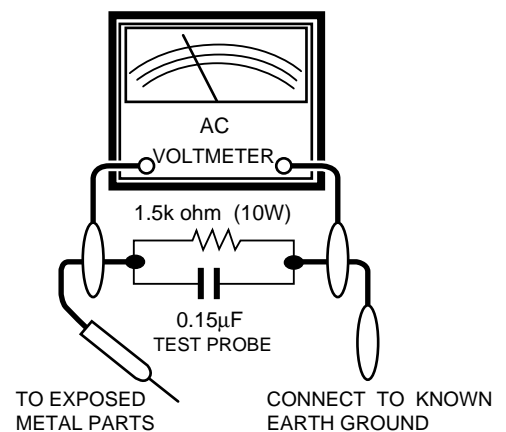
BEFORE RETURNING THE PROJECTOR: (Fire & Shock Hazard)

Before returning the projector to the user, perform the following safety checks:

1. Inspect lead wires are not pinched between the chassis and other metal parts of the projector.
2. Inspect all protective devices such as non-metallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacity networks, mechanical insulators, etc.
3. To be sure that no shock hazard exists, check for current leakage in the following manner:
 - Plug the AC cord directly into a 120-volt AC outlet, (Do not use an isolation transformer for this test).
 - Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15 μ F capacitor in parallel between all exposed metal cabinet parts and earth ground.

- Use an AC voltmeter with sensitivity of 5000 ohm per volt., or higher, sensitivity to measure the AC voltage drop across the resistor (See Diagram).
- All checks must be repeated with the AC plug connection reversed. (If necessary, a non-polarized adapter plug must be used only for the purpose of completing these checks.)

Any reading of 0.3 volts RMS (this corresponds to 0.2 milliamp. AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the unit to the owner.



SAFETY NOTICE

Many electrical and mechanical parts in DLP Projector have special safety-related characteristics.

These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage, etc.

Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by "Δ" and shaded areas in the Replacement Parts Lists and Schematic Diagrams. For continued protection, replacement parts must be identical to those used in the original circuit. The use of a substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire or other hazards.

WARNING: The bimetallic component has the primary conductive side exposed. Be very careful in handling this component when the power is on.

AVIS POUR LA SECURITE

De nombreuses pièces, électriques et mécaniques, dans les projecteur à DLP présentent des caractéristiques spéciales relatives à la sécurité, qui ne sont souvent pas évidentes à vue.

Le degré de protection ne peut pas être nécessairement augmentée en utilisant des pièces de remplacement étalonnées pour haute tension, puissance, etc.

Les pièces de remplacement qui présentent ces caractéristiques sont identifiées dans ce manuel; les pièces électriques qui présentent ces particularités sont identifiées par la marque "Δ" et hachurées dans la liste des pièces de remplacement et les diagrammes schématiques. Pour assurer la protection, ces pièces doivent être identiques à celles utilisées dans le circuit d'origine. L'utilisation de pièces qui n'ont pas les mêmes caractéristiques que les pièces recommandées par l'usine, indiquées dans ce manuel, peut provoquer des électrocutions, incendies ou autres accidents.

AVERTISSEMENT: La composante bimétallique dispose du conducteur primaire dénudé. Faire attention lors de la manipulation de cette composante sous tension.

NOTE TO SERVICE PERSONNEL

UV-RADIATION PRECAUTION

The light source, metal halide lamp, in the LCD projector emits small amounts of UV-Radiation.

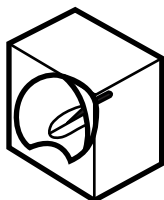
AVOID DIRECT EYE AND SKIN EXPOSURE.

To ensure safety please adhere to the following:

1. Be sure to wear sun-glasses when servicing the projector with the lamp turned "on" and the top enclosure removed.



2. Do not operate the lamp outside of the lamp housing.



3. Do not operate for more than 2 hours with the enclosure removed.



UV-Radiation and Medium Pressure Lamp Precautions

1. Be sure to disconnect the AC plug when replacing the lamp.
2. Allow one hour for the unit to cool down before servicing.
3. Replace only with same type lamp. Type CLMPF0075CE01 or BQC-XGC40XU/1 rated 85V/200W.
4. The lamp emits small amounts of UV-Radiation, avoid direct-eye contact.
5. The medium pressure lamp involves a risk of explosion. Be sure to follow installation instructions described below and handle the lamp with care.

NOTE POUR LE PERSONNEL D'ENTRETIEN

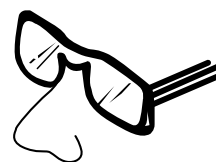
PRECAUTION POUR LES RADIATIONS UV

La source de lumière, la lampe métal halide, dans le projecteur LCD émet de petites quantités de radiation UV.

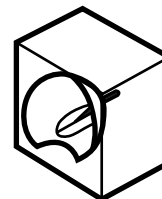
EVITEZ TOUTE EXPOSITION DIRECTE DES YEUX ET DE LA PEAU.

Pour votre sécurité, nous vous prions de respecter les points suivants:

1. Toujours porter des lunettes de soleil lors d'un entretien du projecteur avec la lampe allumée et le haut du coffret retiré.



2. Ne pas faire fonctionner la lampe à l'extérieur du boîtier de lampe.



3. Ne pas faire fonctionner plus de 2 heures avec le coffret retiré.



Précautions pour les radiations UV et la lampe moyenne pression

1. Toujours débrancher la fiche AC lors du remplacement de la lampe.
2. Laisser l'unité refroidir pendant une heure avant de procéder à l'entretien.
3. Ne remplacer qu'avec une lampe du même type. Type CLMPF0075CE01 or BQC-XGC40XU/1, caractéristique 85V/200W.
4. La lampe émet de petites quantités de radiation UV-éviter tout contact direct avec les yeux.
5. La lampe moyenne pression implique un risque d'explosion. Toujours suivre les instructions d'installation décrites ci-dessous et manipuler la lampe avec soin.

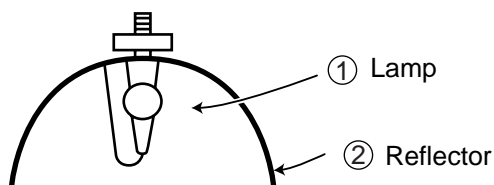
UV-RADIATION PRECAUTION (Continued)

■ Lamp Replacement

Note:

Since the lamp reaches a very high temperature during units operation replacement of the lamp should be done at least one hour after the power has been turned off. (to allow the lamp to cool off.) Installing the new lamp, make sure not to touch the lamp (bulb) replace the lamp by holding its reflector ②.

[Use original replacement only.]



DANGER ! — Never turn the power on without the lamp to avoid electric-shock or damage of the devices since the stabilizer generates high voltages at its start.

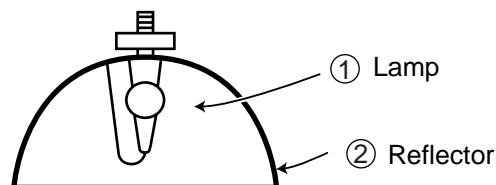
PRECAUTION POUR LES RADIATIONS UV (Suite)

■ Remplacement de la lampe

Remarque:

Comme la lampe devient très chaude pendant le fonctionnement de l'unité, son remplacement ne doit être effectué au moins une heure après avoir coupé l'alimentation (pour permettre à la lampe de refroidir). En installant la nouvelle lampe, s'assurer de ne pas toucher la lampe (ampoule). Remplacer la lampe en tenant son réflecteur ②.

[N'utiliser qu'un remplacement d'origine.]



DANGER ! — Ne jamais mettre sous tension sans la lampe pour éviter un choc électrique ou des dommages des appareils car le stabilisateur génère de hautes tensions à sa mise en route.

Since small amounts of UV-Radiation are emitted from an opening between the duct cover and the lamp housing, it is recommended to place the LENS CAP on the opening during servicing to avoid eye and skin exposure (Fig. 1).

Note: Please obtain a lens cap before servicing a model XG-C40XU that is received without one.

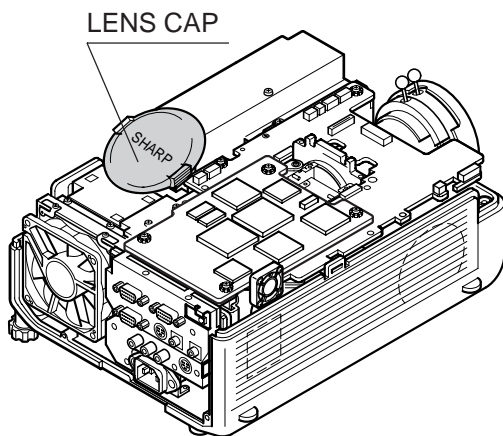


Figure 1.

Comme de petites quantités de radiation UV sont émises par une ouverture entre le couvercle du conduit et le boîtier de la lampe, il est recommandé de placer le CAPUCHON D'OPTIQUE sur l'ouverture pendant l'entretien pour éviter une exposition des yeux et la peau (Fig. 1).

Remarque: Prière de se procurer un capuchon d'optique avant d'entretenir un modèle XG-C40XU qui est livré sans.

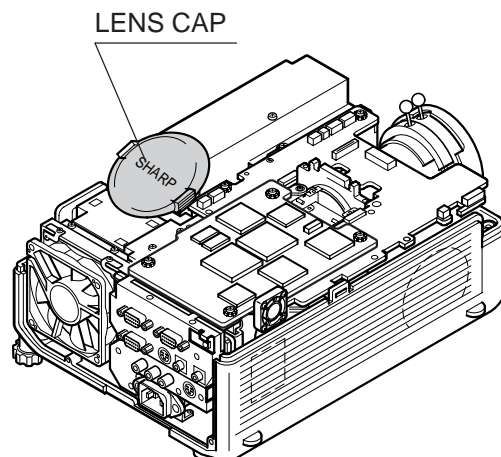


Figure 1.

WARNING: High brightness light source, do not stare into the beam of light, or view directly. Be especially careful that children do not stare directly in to the beam of light.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS UNIT TO MOISTURE OR WET LOCATIONS.



CAUTION

RISK OF ELECTRIC SHOCK.
DO NOT REMOVE SCREWS
EXCEPT SPECIFIED USER
SERVICE SCREW



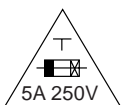
The lighting flash with arrowhead within a triangle is intended to tell the user that parts inside the product are risk of electric shock to persons.



The exclamation point within a triangle is intended to tell the user that important operating and servicing instructions are in the manual with the projector.

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE CABINET.
NO USER-SERVICEABLE PARTS EXCEPT LAMP UNIT.
REFER SERVICING TO QUALIFIED SERVICE
PERSONNEL.

**CAUTION
(INLET Unit)**



For continued protection
against a risk of fire,
replace only with same
type 5A 250V fuse.
(F761)

AVERTISSEMENT: Source lumineuse de grande intensité. Ne pas fixer le faisceau lumineux ou le regarder directement. Veiller particulièrement à éviter que les enfants ne fixent directement le faisceau lumineux.

AVERTISSEMENT: AFIN D'ÉVITER TOUT RISQUE D'INCENDIE OU D'ÉLECTROCUTION, NE PAS PLACER CET APPAREIL DANS UN ENDROIT HUMIDE OU MOUILLE.



ATTENTION

RISQUE
D'ÉLECTROCUTION NE
PAS RETIRER LES VIS, À
L'EXCEPTION DES VIS DE
REPARATION UTILISATEUR
SPÉCIFIÉS



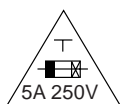
L'éclair terminé d'une flèche à l'intérieur d'un triangle indique à l'utilisateur que les pièces se trouvant dans l'appareil sont susceptibles de provoquer une décharge électrique.



Le point d'exclamation à l'intérieur d'un triangle indique à l'utilisateur que les instructions de fonctionnement et d'entretien sont détaillées dans les documents fournis avec le projecteur.

ATTENTION: POUR ÉVITER TOUT RISQUE
D'ÉLECTROCUTION, NE PAS RETIRER LE CAPOT.
AUCUNE DES PIÈCES INTÉRIEURES N'EST RÉPARABLE
PAR L'UTILISATEUR, À L'EXCEPTION DE L'UNITÉ DE
LAMPE. POUR TOUTE RÉPARATION, S'ADRESSER À UN
TECHNICIEN D'ENTRETIEN QUALIFIÉ.

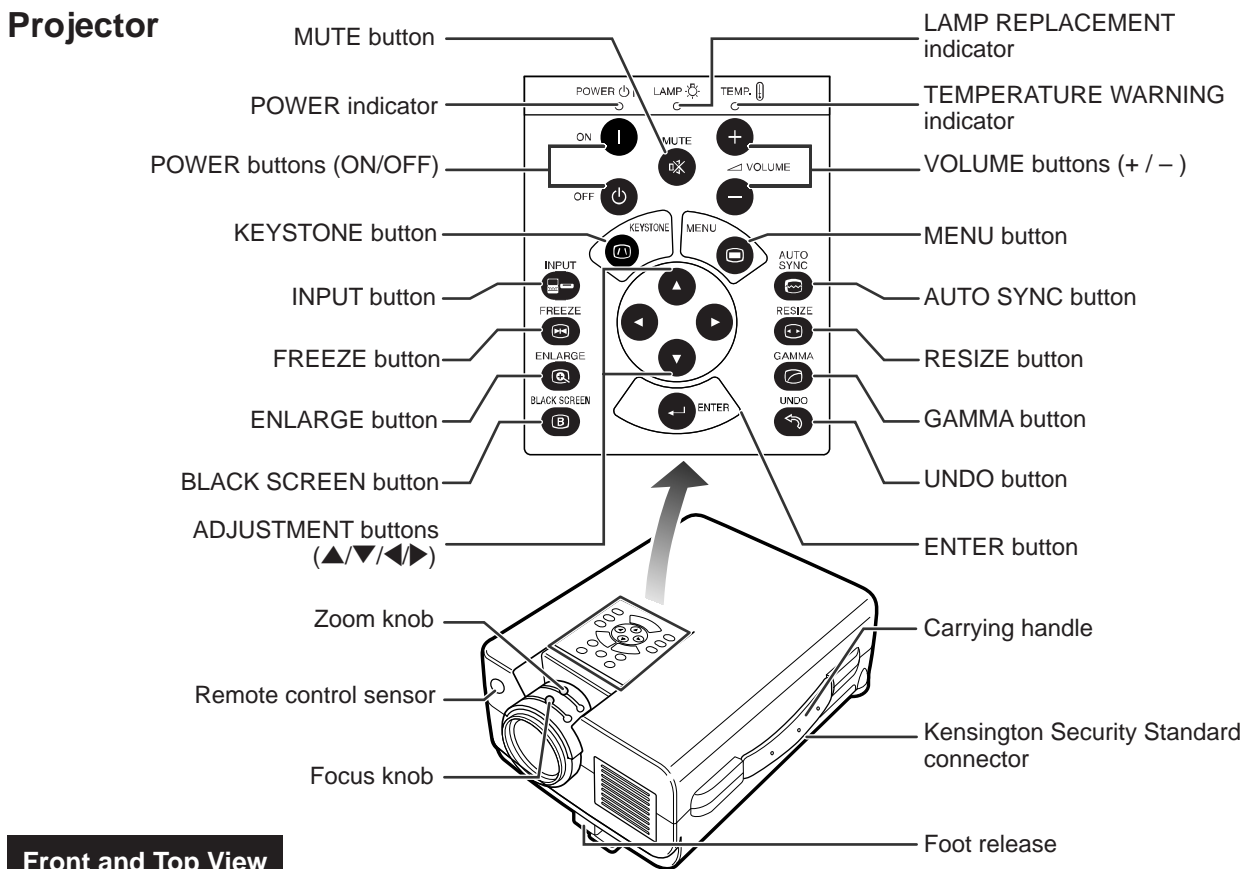
**PRECAUTION
(Unité d'admission)**



Pour une protection continue
contre les risques d'incendie,
ne remplacer qu'avec un
fusible 5A 250V du même
type.
(F761)

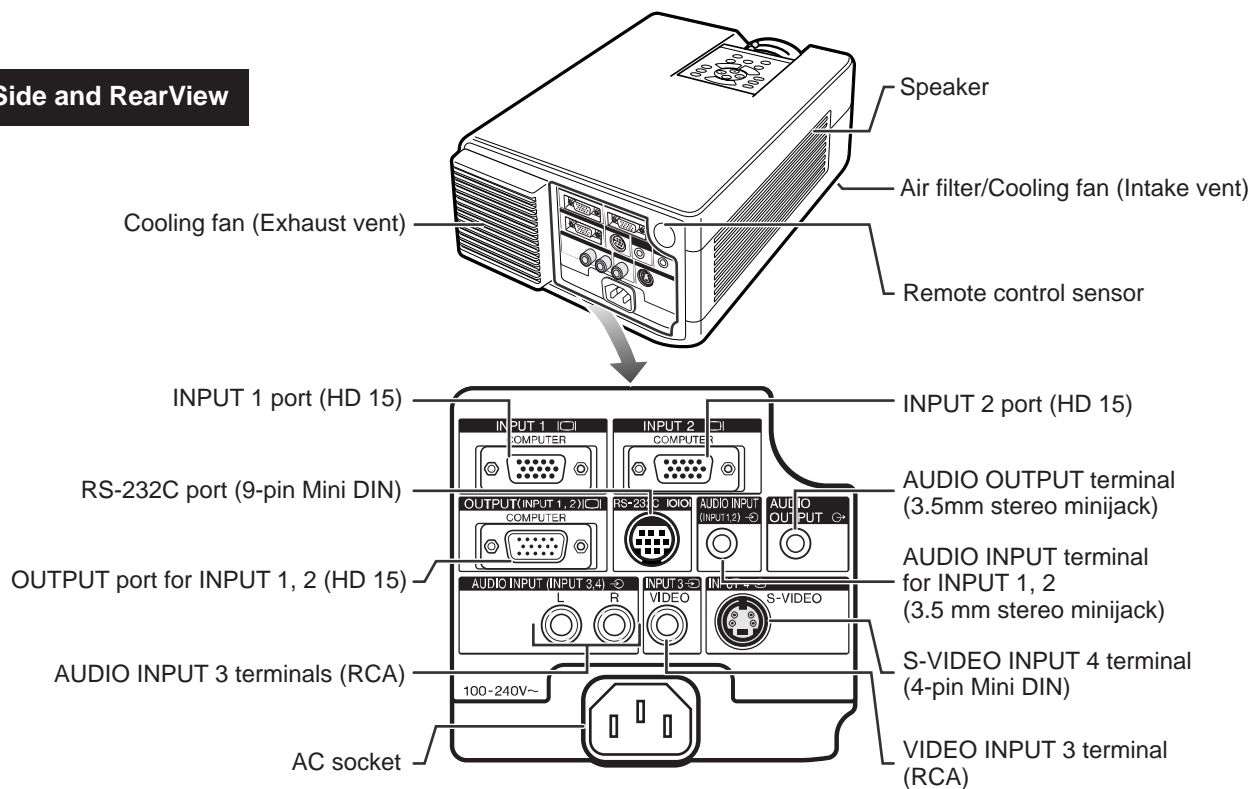
OPERATION MANUAL

Location of Controls Projector



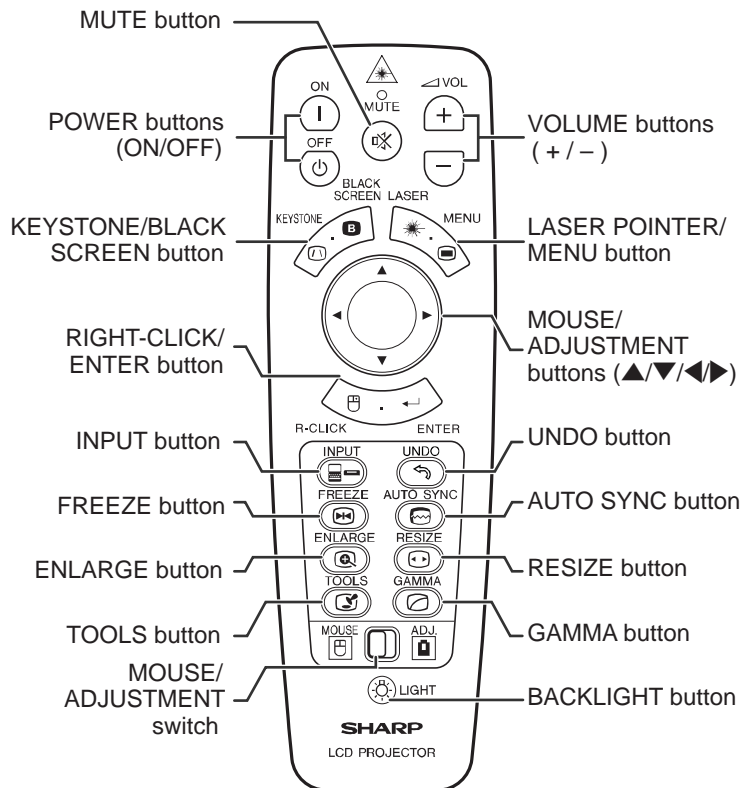
Front and Top View

Side and Rear View

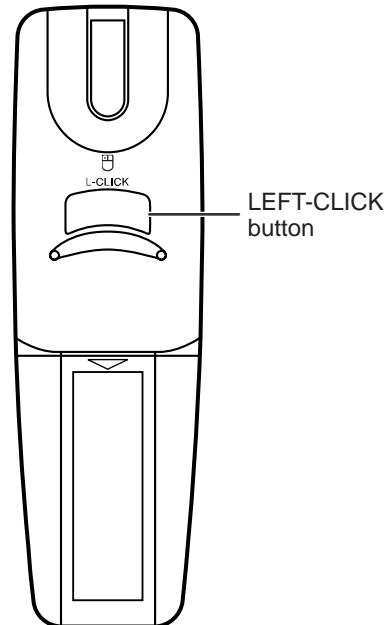


Operating the Wireless Mouse Remote Control Remote Control

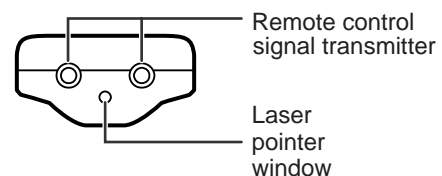
Front View



Rear View

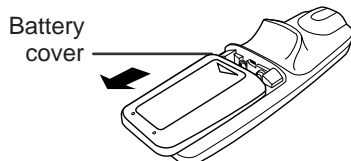


Top View

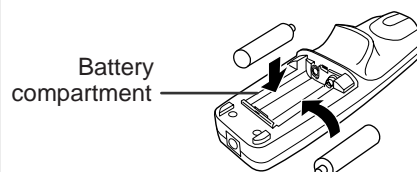


Inserting the batteries

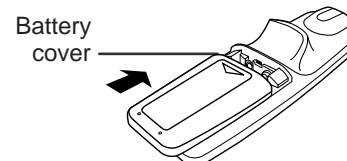
- 1 Press in on the arrow mark and slide in the direction of the arrow to remove the battery cover.

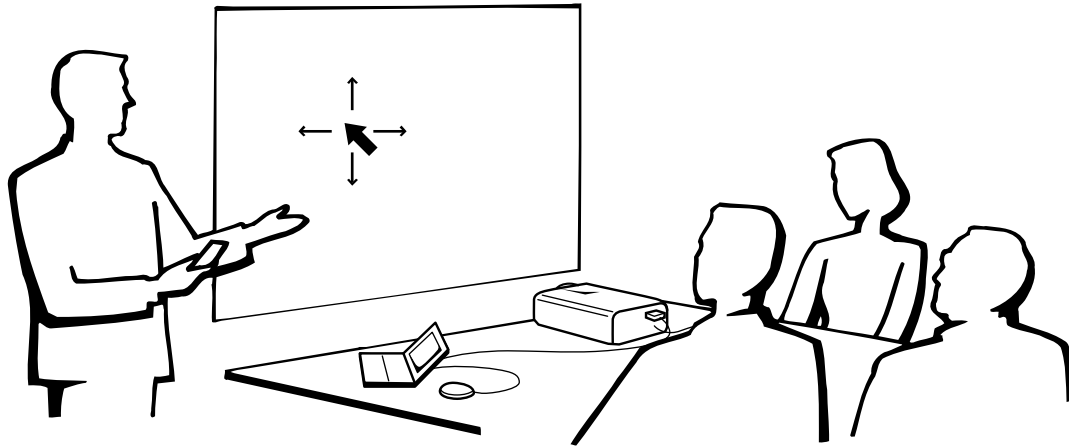


- 2 Insert two AA size batteries, making sure their polarities match the + and - marks inside the battery compartment.



- 3 Insert the side tabs of the battery cover into their slots and press the cover in until it is properly seated.



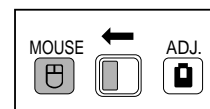


Using the Remote Control as a Wireless Mouse

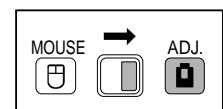
The remote control has the following three functions:

- Projector control
- Wireless mouse
- Laser pointer

MOUSE/ADJUSTMENT switch (Remote control)



Wireless mouse
Laser pointer



Projector control

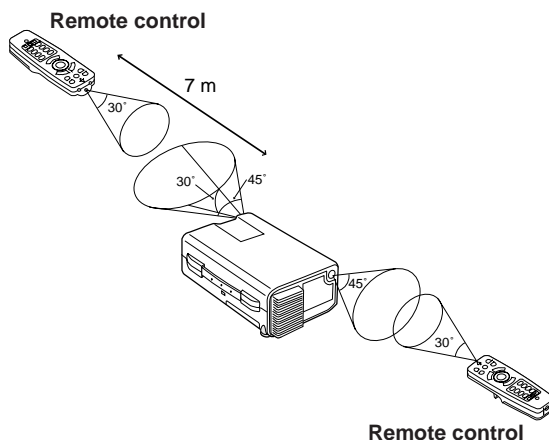
Remote Control/Mouse Receiver Positioning

- The remote control can be used to control the projector within the ranges shown below.
- The remote mouse receiver can be used with the remote control to control the mouse functions of a connected computer within the ranges shown below.

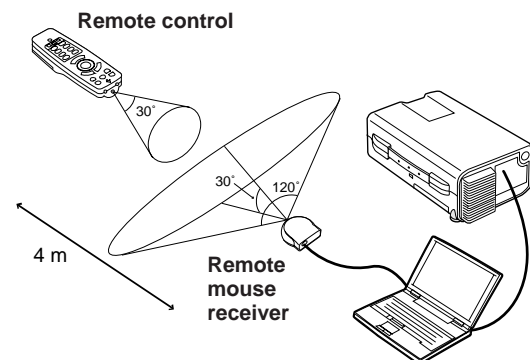
NOTE

- The signal from the remote control can be reflected off a screen for easy operation. However, the effective distance of the signal may differ due to the screen material.

Controlling the Projector

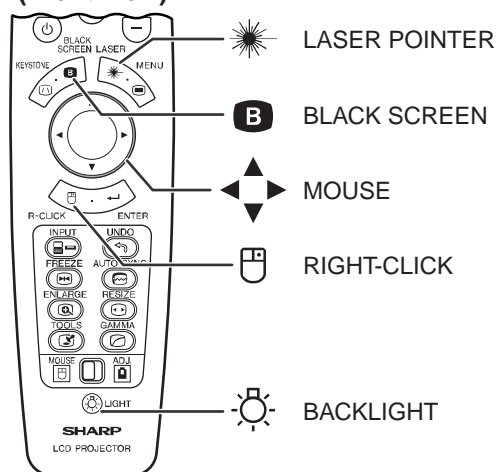


Using the Wireless Mouse

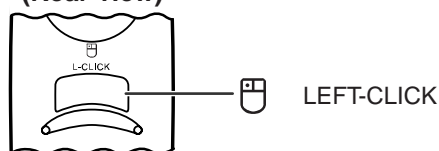


Effective buttons in MOUSE mode

Remote control (Front view)



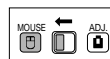
Remote control (Rear view)



Use as a Wireless Mouse

Be sure the supplied remote mouse receiver is connected to your computer.

(Slide the **MOUSE/ADJUSTMENT** switch on the remote control to the MOUSE position.)



NOTE

- The wireless mouse may not operate correctly if your computer serial port is not correctly set up. Refer to the computer's operation manual for details of setting up/ installing the mouse driver.
- For one-button mouse systems, use either the **LEFT-CLICK** or **RIGHT-CLICK** button.

Using the remote control in a dark room

Press **BACKLIGHT**, and the buttons will light up. Green lights refer to mouse operations, and red lights to projector adjustments.

Button name	Position of MOUSE/ADJUSTMENT switch	
	MOUSE (M)	ADJ. (A)
LASER POINTER/MENU	LASER POINTER (GREEN)	MENU (RED)
BLACK SCREEN/KEYSTONE	BLACK SCREEN (GREEN)	KEYSTONE (RED)
RIGHT-CLICK/ENTER	RIGHT-CLICK (GREEN)	ENTER (RED)
MOUSE/ADJUSTMENT	MOUSE (NOT LIT)	ADJUSTMENT (NOT LIT)
LEFT-CLICK	ON (NOT LIT)	—
POWER ON/OFF	ON (RED)	
VOLUME + / -		
MUTE		
INPUT		
UNDO		
FREEZE		
AUTO SYNC		
ENLARGE		
RESIZE		
TOOLS		
GAMMA		

Use as a Laser Pointer

(Slide the **MOUSE/ADJUSTMENT** switch on the remote control to the MOUSE position.)



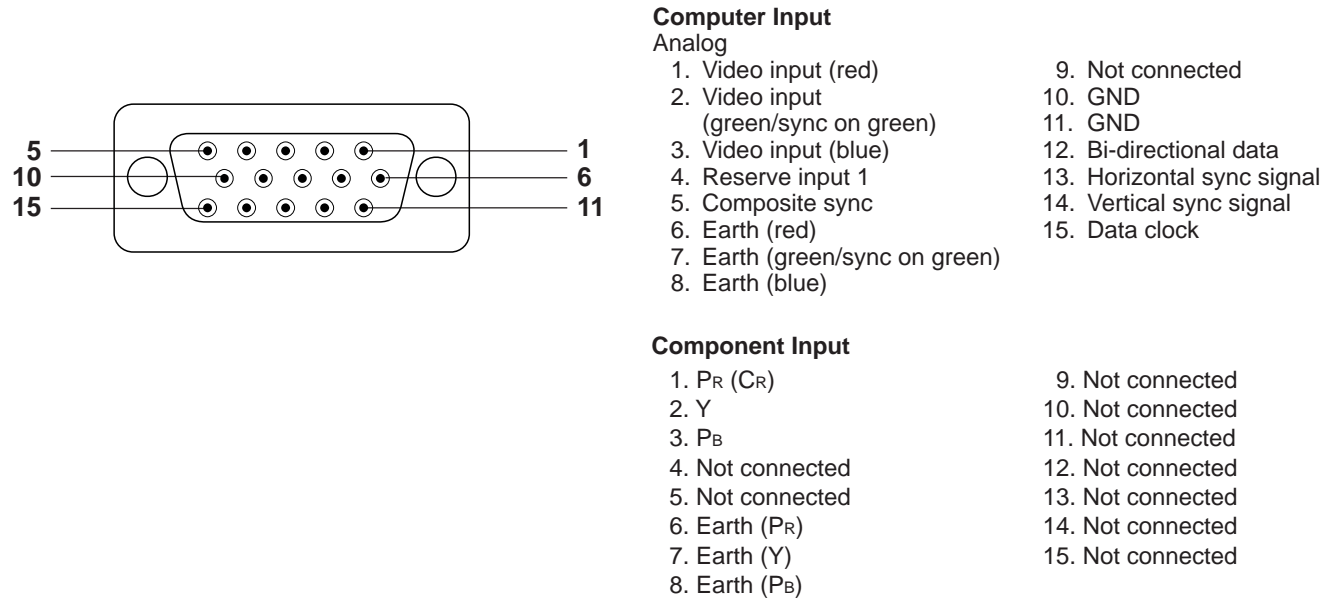
Press **LASER POINTER** (★) to activate the laser pointer. When the button is released, the light automatically goes off.

NOTE

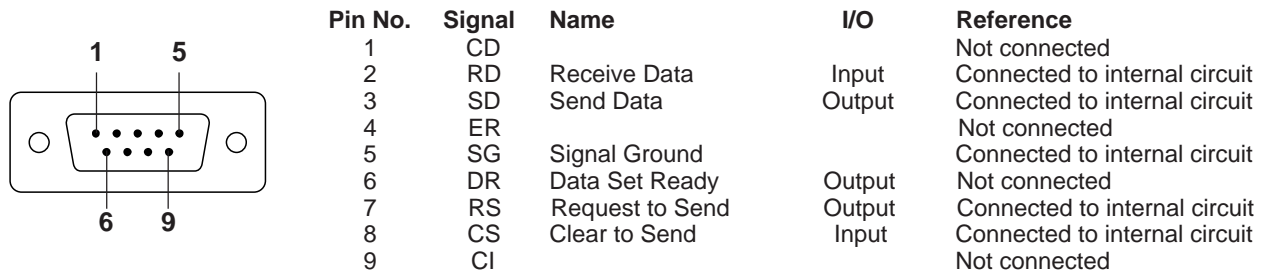
- For safety, the laser pointer automatically goes off after 1 minute of continuous use. To turn it on, release **LASER POINTER** (★) and press again.

Connection Pin Assignments

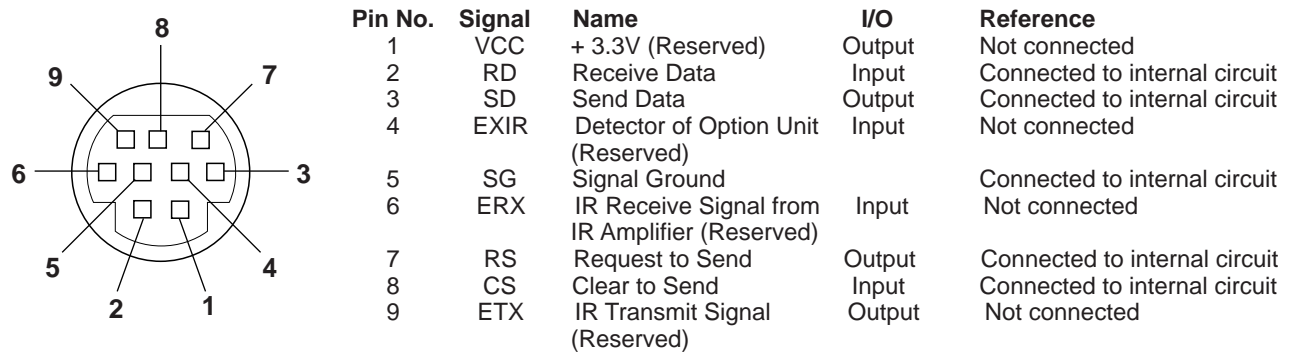
Analog Computer 1 and 2 Signal Input Ports: 15-pin mini D-sub female connector



RS-232C Port: 9-pin D-sub male connector of the DIN-D-sub RS-232C cable

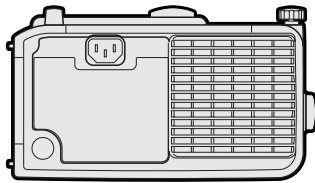


RS-232C Terminal: 9-pin Mini DIN female connector

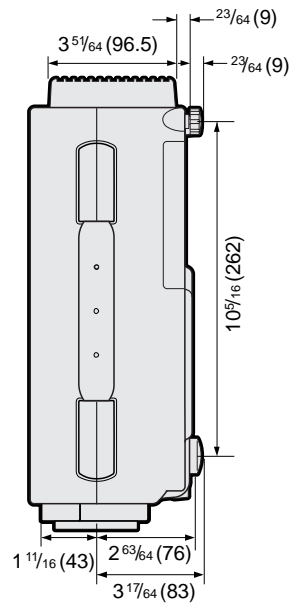
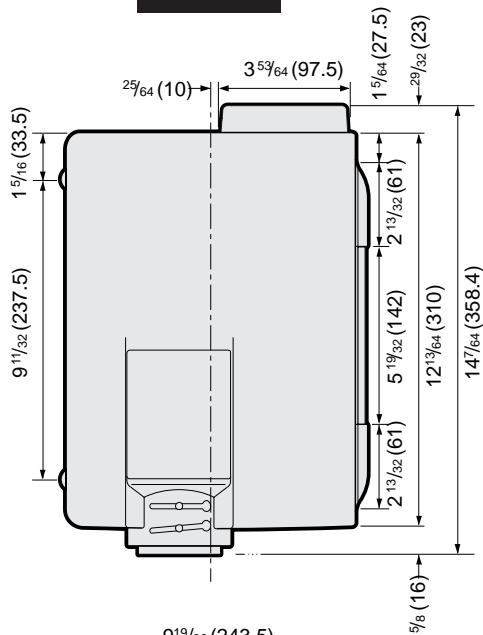


Dimensions

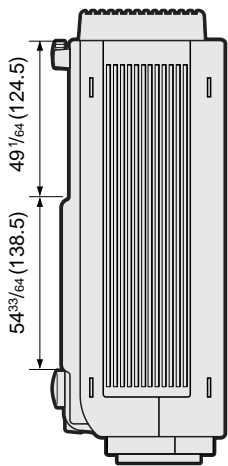
Rear View



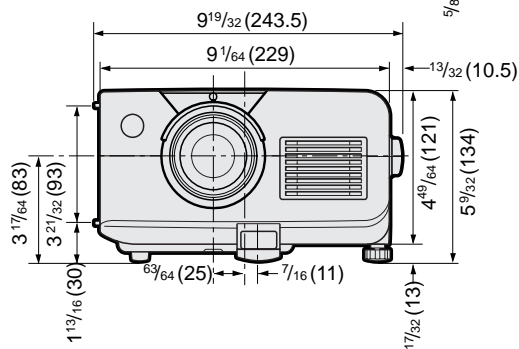
Top View



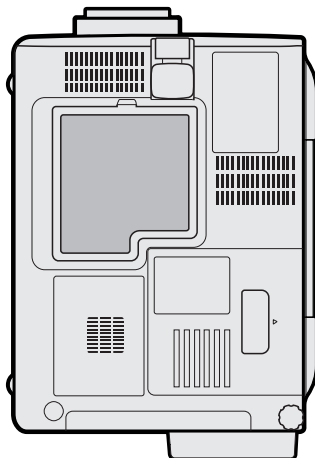
Side View



Front View



Bottom View

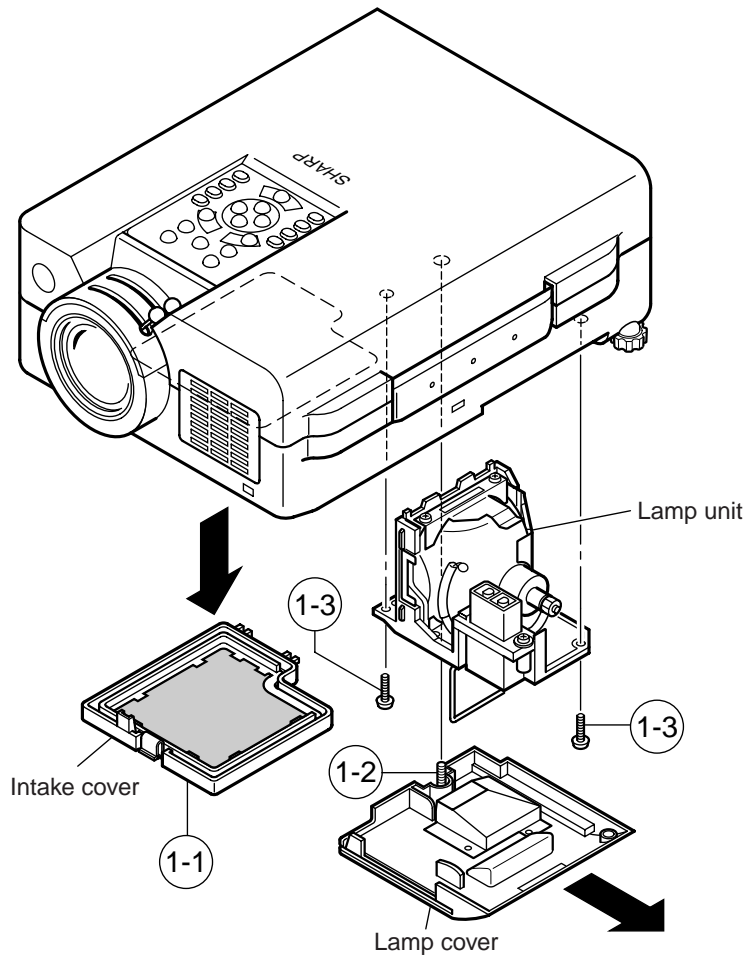


Units: inches (mm)

REMOVING OF MAJOR PARTS

1. Removing the Intake cover and lamp unit

- 1-1. Detach the Intake cover.
- 1-2. Loosen the lamp cover screw and draw out the lamp cover in the direction of arrow (toward yourself).
- 1-3. Remove the two lamp unit lock screws. Detach the lamp unit.

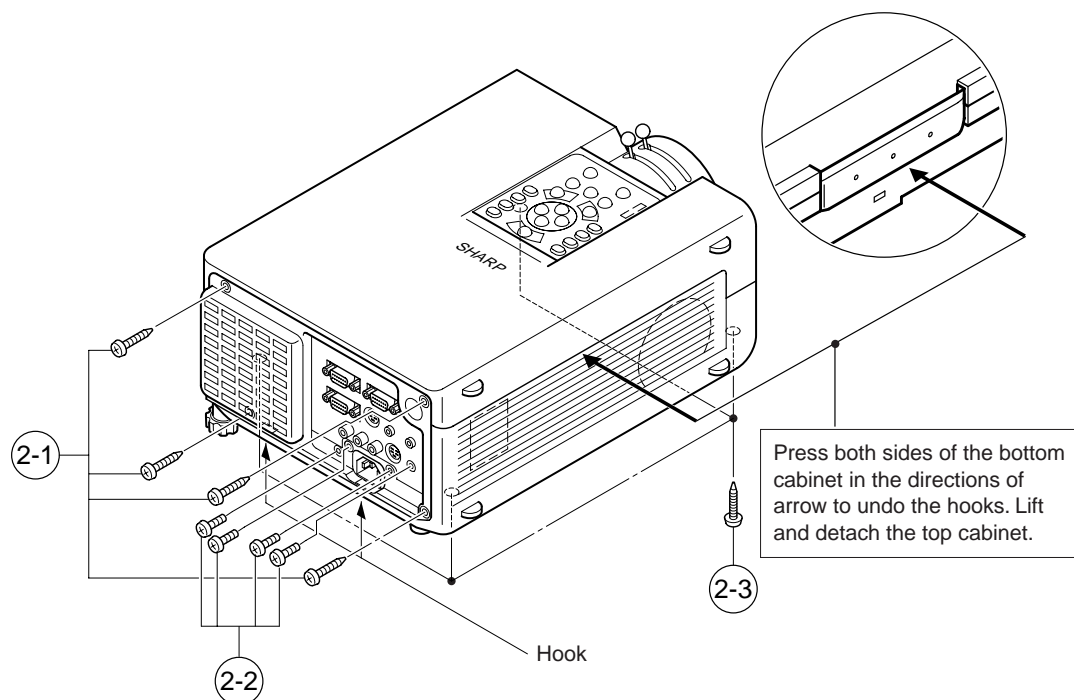


Note:

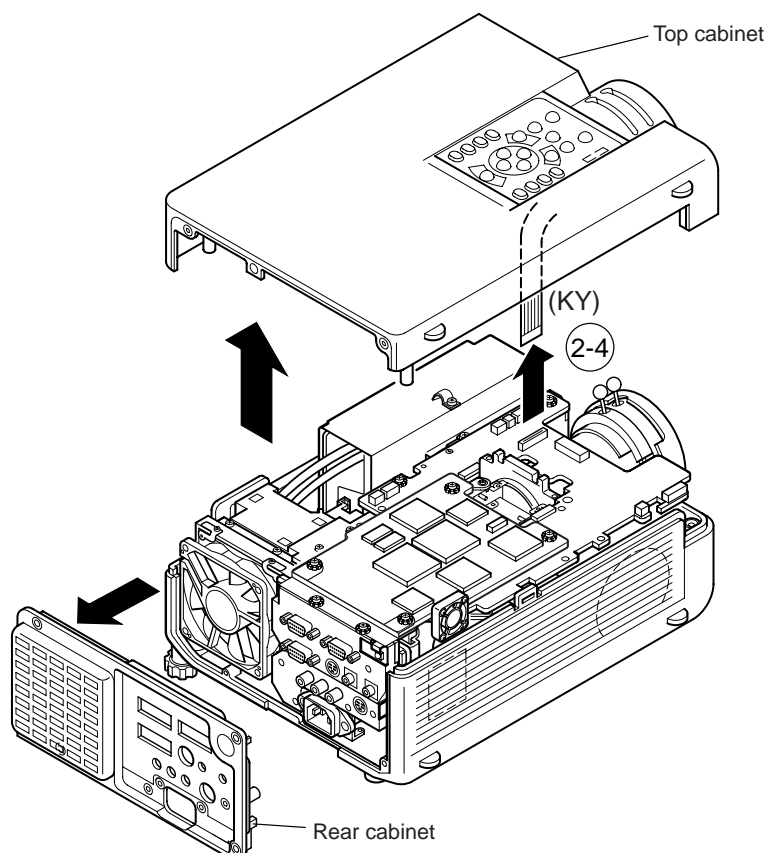
When replacing the lamp, make sure that there is a clearance of over 8mm between the terminal and the lamp snap-on spring (and other metallic parts).

2. Removing the top and rear cabinets

- 2-1. Remove the four rear cabinet lock screws.
- 2-2. Remove the four terminal board lock screws off the rear cabinet. Unhook and detach the rear cabinet from below.
- 2-3. Remove the four top cabinet lock screws from below.



- 2-4. Slowly lift the top cabinet and disconnect the operation key unit connector (KY). Then take away the top cabinet.



3. Removing the PWB units

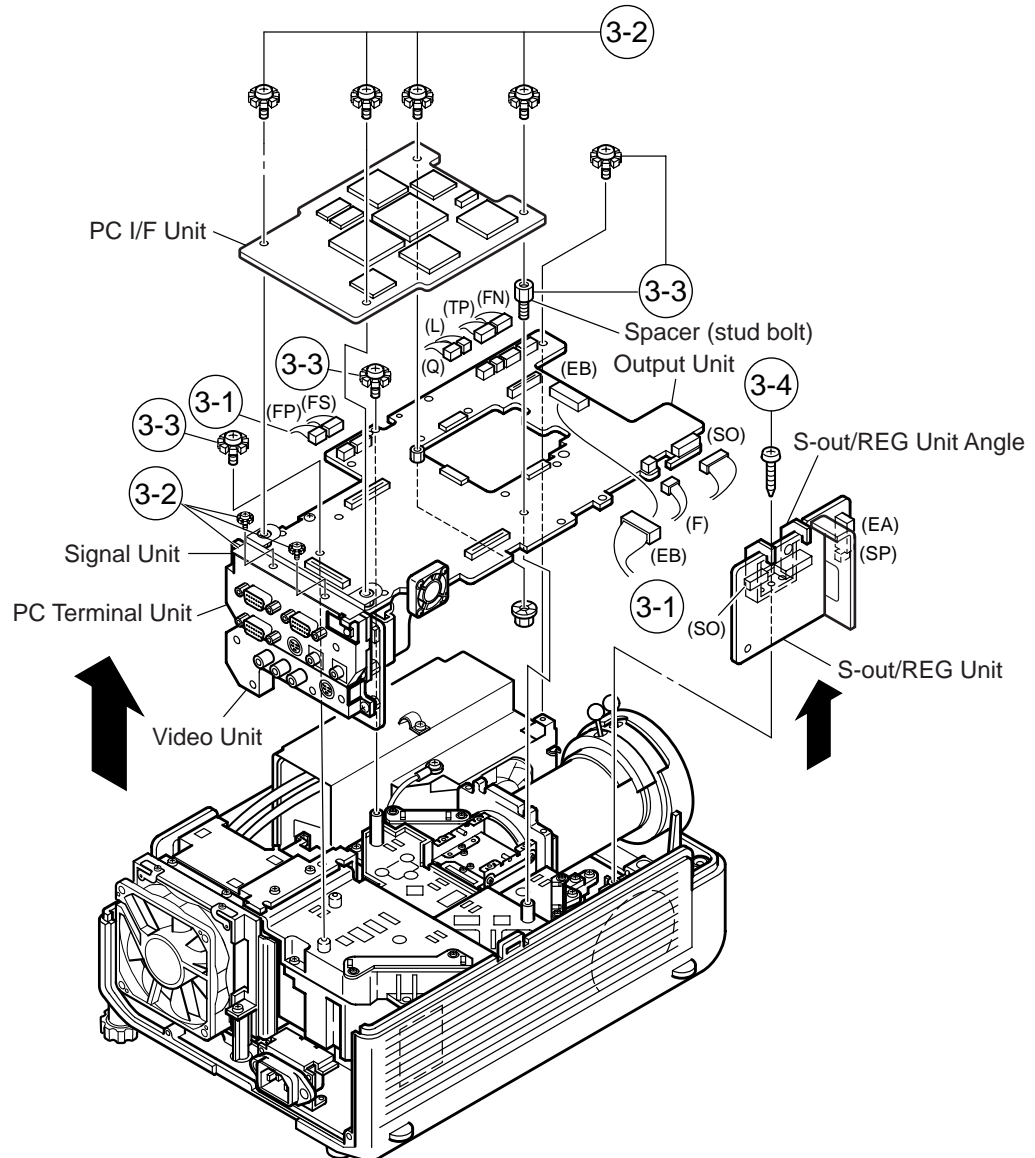
3-1. Disconnect the connectors from the output unit.

3-2. Remove the four PC I/F unit lock screws.

Remove the two screws and the earth shield, and take out the PC I/F unit.

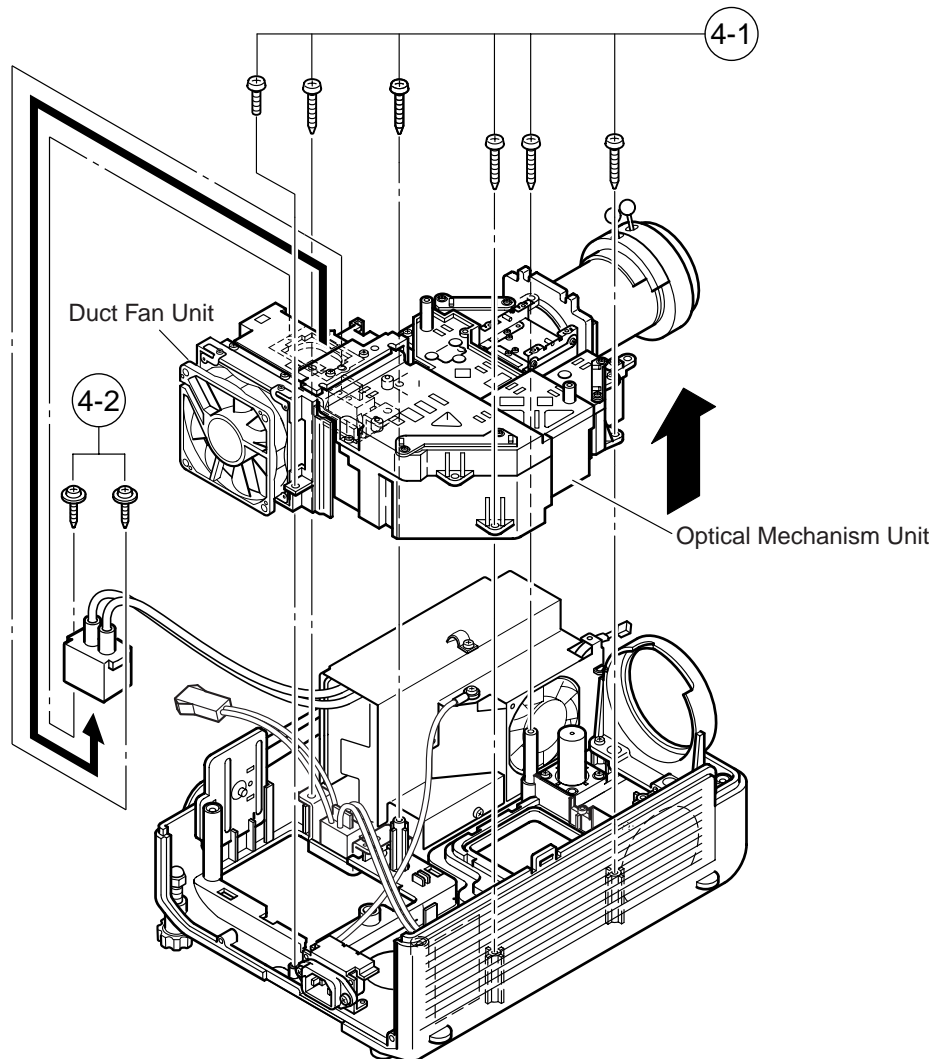
3-3. Remove the spacer (stud bolt) and the three screws off the output unit. Lift the output unit, together with the signal unit, off the position.

3-4. Remove the S-out/REG unit angle lock screw and take out the S-out/REG unit.



4. Removing the optical mechanism unit

- 4-1. Remove the six optical mechanism unit lock screws. Lift the unit off the position.
- 4-2. Remove the two lamp socket holder lock screws and take out the holder.



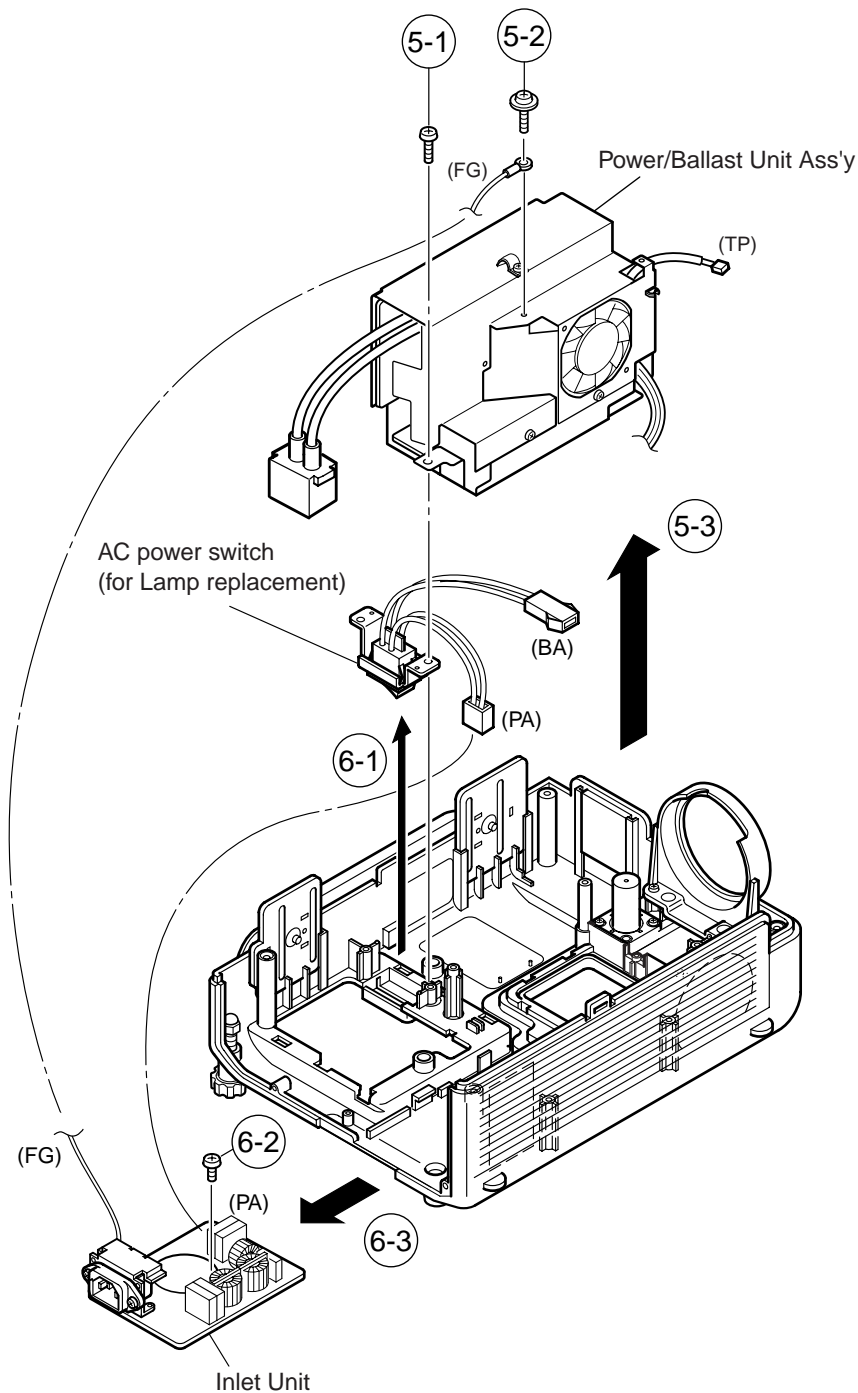
5. Removing the Power/Ballast unit assembly

- 5-1. Remove the Power/Ballast unit assembly lock screw.
- 5-2. Remove the (FG) lead lock screw.
- 5-3. Lift the Power/Ballast unit assembly off the position.

6. Removing the ballast unit and inlet unit

- 6-1. Disconnect the connector (PA) from the inlet unit. Take out the AC power switch.
- 6-2. Remove the Inlet unit lock screw.
- 6-3. Pull the inlet unit toward yourself off the position.

Note: Before installing the lamp cover, make sure the AC power switch is at the "○" (OFF) position.

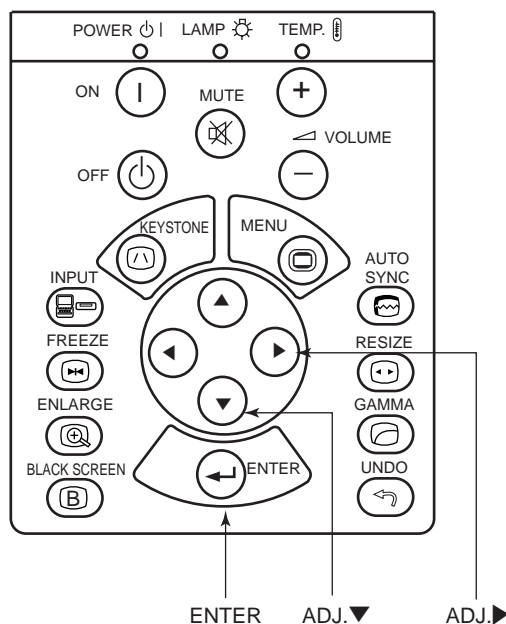


RESETTING THE TOTAL LAMP TIMER

When the lamp has been replaced, reset the total lamp timer in the following steps.

Resetting procedure

1. While holding down the “ENTER”, “ADJ.▼” and “ADJ.▶” keys on the set at the same time, turn on the main power switch (located side the AC inlet).
2. Now the total lamp timer is reset to zero. “000H” appears on the screen.



Lamp



The lamp in this projector operates for approximately 2,000 cumulative hours, depending on the usage environment. It is recommended that the lamp be replaced after 1,900 cumulative hours of use or when you notice a significant deterioration of the picture and colour quality. The lamp usage time can be checked with the On-screen Display.

CAUTION

- Intense light hazard. Do not attempt to look into the aperture and lens while the projector is operating.

NOTE

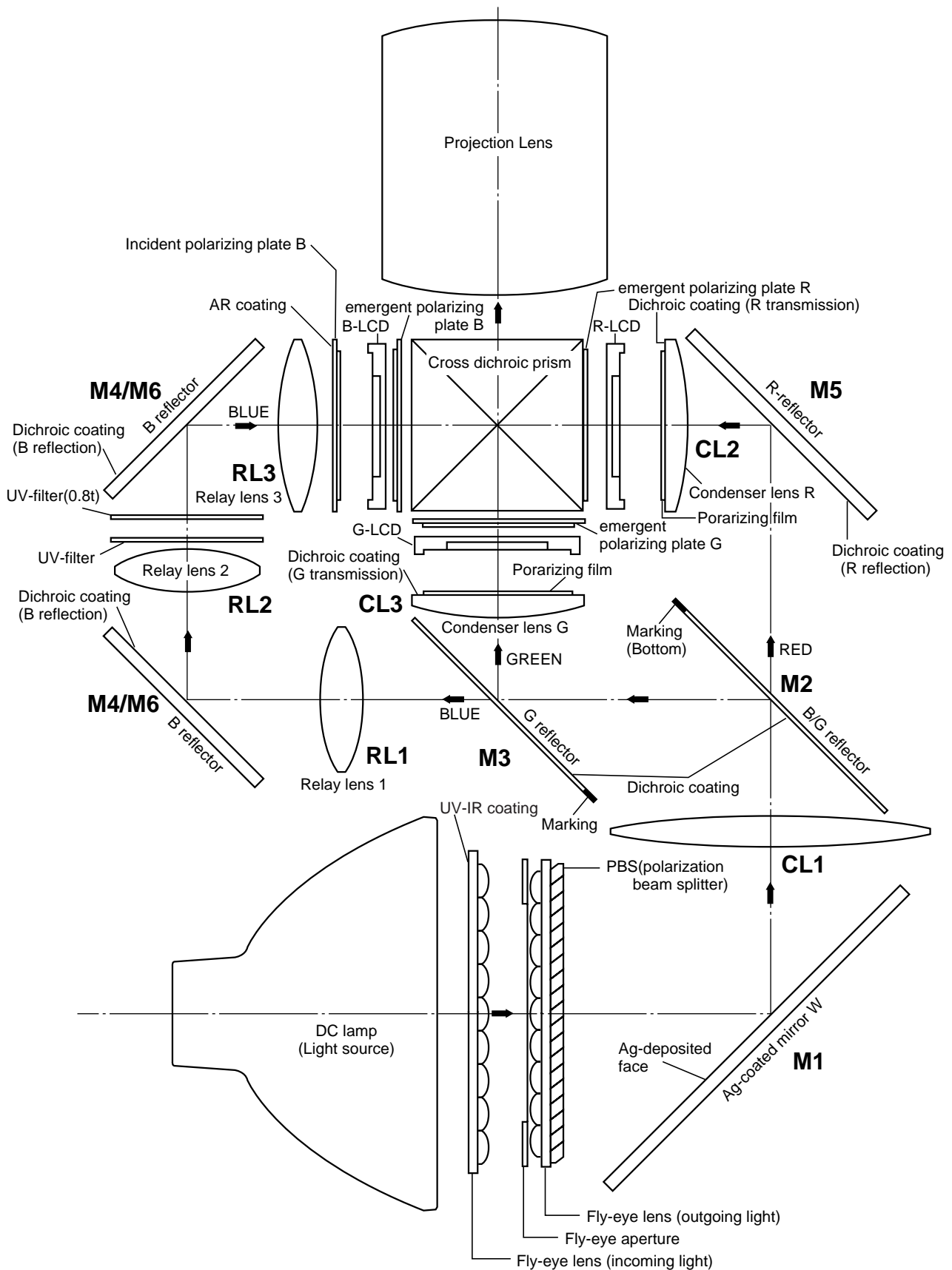
- As the usage environment can vary significantly, the projector lamp may not operate for 2,000 hours.

Condition	Problem	Possible Solution
The LAMP REPLACEMENT indicator lights up red, and “LAMP” and “  ” will flash in yellow in the lower-left corner of the picture.	<ul style="list-style-type: none">• Lamp has been used for over 1,900 hours.• Lamp has been used for over 2,000 hours.	<ul style="list-style-type: none">• Purchase a replacement lamp unit (lamp/cage module) of the current type BQC-XGC40XU/1 from your nearest Sharp Authorised LCD Projector Dealer or Service Centre.• Replace the lamp. If you wish, you may have the lamp replaced at your nearest Sharp Authorised LCD Projector Dealer or Service Centre.
A significant deterioration of the picture and colour quality occurs.		
The power will automatically turn off and the projector will enter standby mode.		
“LAMP” and “  ” will flash in red in the lower-left corner of the picture, and the power will turn off.		

THE OPTICAL UNIT OUTLINE

Layout of the optical system

Note: Layout for positioning the optical system.



CONVERGENCE AND FOCUS ADJUSTMENT

- **Start the convergence and focus adjustments with the top panel removed but the power on. Use the remote control to adjust the image.**
Take the following procedures.

1. Focusing the projection lens

(A) Replacing all the 3 LCD panels

1. Before replacing all the 3 LCD panels, project an image on the screen and bring it into focus.
2. Replace the LCD panels with new ones. But until the focus has been completely readjusted, be careful not to change the projection distance between the set and the screen, nor to move the projection lens focus and zoom rings.

Note:

If the focus is readjusted with a different positional relation, the relation between the projection distance and the screen size is affected. In other words, a short-distance image (40 WIDE for example) may get out of the focus range, or a long-distance image (300 WIDE for example) may come out of the focus.

(B) Replacing 1 or 2 of the 3 LCD panels

1. In adjusting the focus after replacement of one or two LCD panels, project an image on the screen and turn the projection lens focus ring to get the non-replaced LCD panel into focus.
2. But until the focus has been completely adjusted for the new LCD panels, be careful not to change the projection distance between the set and the screen, nor to move the projection lens focus and zoom rings.
3. If the projection distance has been changed or the projection lens readjusted, repeat the above steps 1 and 2.

2. Focus adjustment

(A) Adjusting the G-LCD panel(Make this adjustment on the white-only screen.)

1. Adjustment in θX and Z directions .
Loosen the lock screw "a" and insert an eccentric screwdriver into the notch and hole "a". Turn the screwdriver until the top, center and bottom on the screen get into focus. In adjusting this top-to-bottom focus, tighten the lock screws "b" and "c" to fix the θY direction adjustment.
First get the right and left halves in balance. Then improve the accuracy while making the adjustment 2 below.
2. Adjustment in θY direction
Temporarily tighten the lock screw "a" and loosen the lock screws "b" and "c". Insert the eccentric screwdriver into the notch and hole "c" for adjusting in the θY direction on the top of the screen. Insert the eccentric screwdriver into the notch and hole "b" for adjusting in the θY direction on the bottom of the screen.
3. Repeat the above steps 1 and 2 to finely adjust the focus. Finally tighten up all the lock screws.

Notes :

- ① Carefully proceed with the focus adjustment because the adjusting directions are correlated.
- ② In adjusting the convergence and focus, do not move the projection lens zoom and focus rings until the end of all the adjustments.

(B) Adjusting the B-LCD panel (Do the same for the R-LCD panel.)

1. Take the same procedure as for the G-LCD panel focus adjustment. Note that the adjustment range is wider in the Z direction. If the convergence is quite different between the B-LCD and G-LCD panels, roughly adjust the convergence first and then the focus.

3. Convergence adjustment

- Use a crosshatch pattern signal for this adjustment.
Make the adjustment just for the G-LCD and the relevant colour.
- 1. Loosen the convergence lock screw "d".
- 2. Adjustment in Y and θZ directions
Put a hex wrench in the Y and θZ direction adjustment zone.
- 3. Adjustment in X direction
Put an eccentric cam adjusting wrench in the X direction adjustment zone.

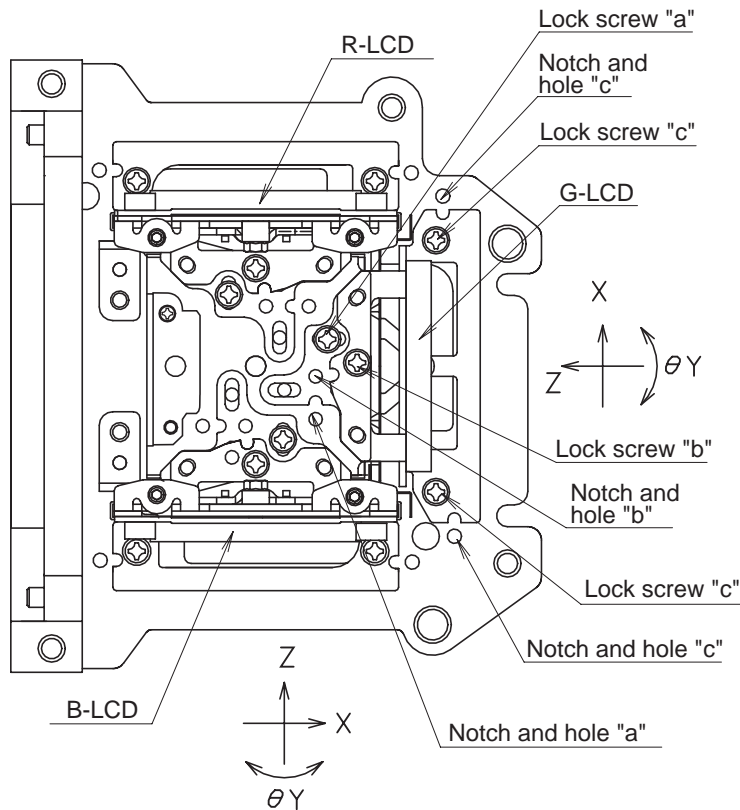
4. With the G-LCD panel's screen center as reference, adjust the R-LCD and B-LCD panels.
5. Finally tighten up the convergence lock screw "d".

Notes :

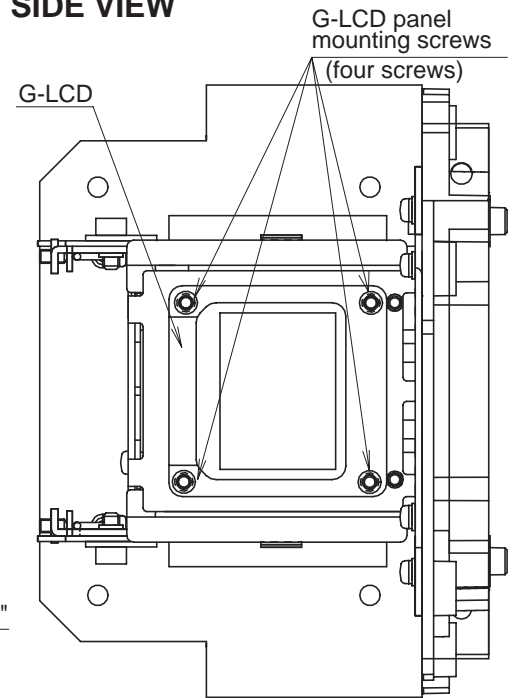
- ① The eccentric cam is used for convergence adjustment.
This means that the cam's turning and the linear movement are not always uniform.
- ② This model is not equipped with the LCD image adjustment mechanism. This is because the cross-dichroic prism is used for image formation. When the LCD panels all get into best focus, the images are almost completely converged.

Convergence and Focus Adjustments Mechanism

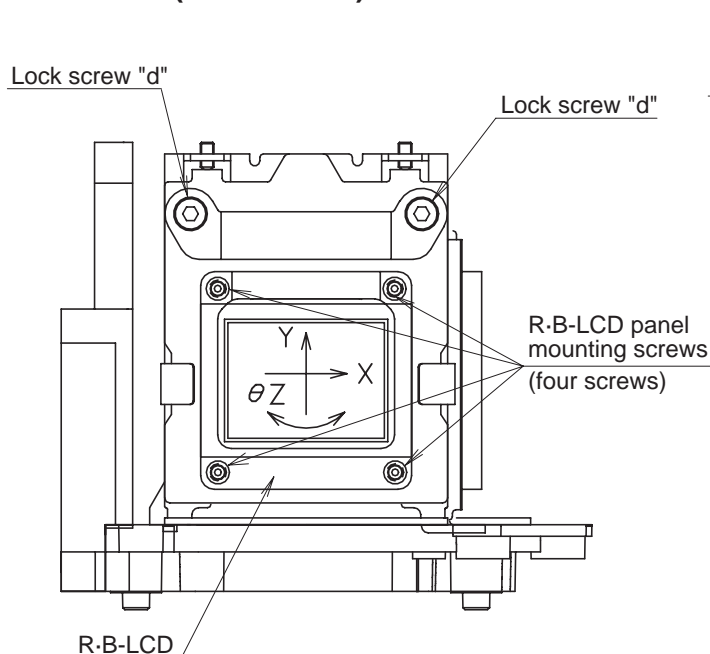
TOP VIEW



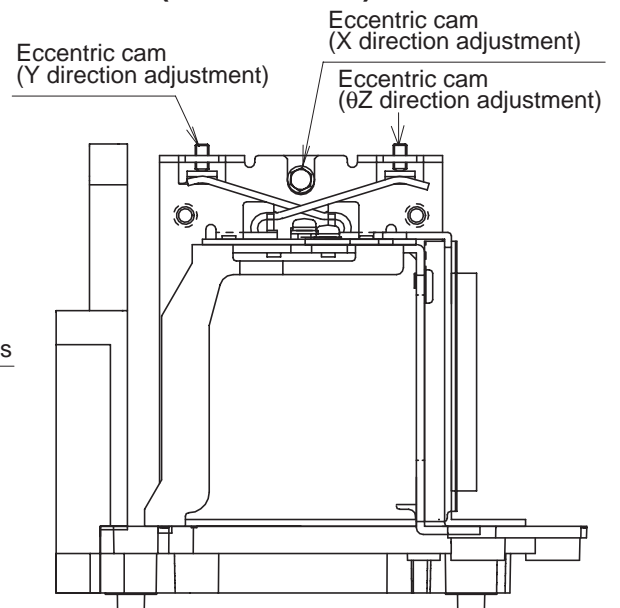
SIDE VIEW



SIDE VIEW (from inside)



SIDE VIEW (from outside)



Convergence and Focus Adjustments at a Glance

Adjustment directions

Adjustment	Direction	Definition	Direction of LCD panel
Convergence	X direction		LCD right and left
	Y direction		LCD top and bottom
	θZ direction	Rotation around Z axis	LCD turning axis
Focus	Z direction		LCD optical axis
	θX direction	Rotation around X axis	LCD top-to-bottom flapping
	θY direction	Rotation around Y axis	LCD right-to-left flapping

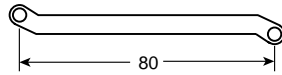
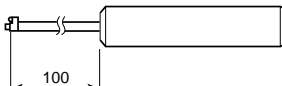
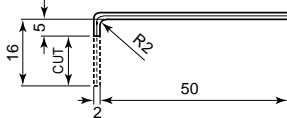
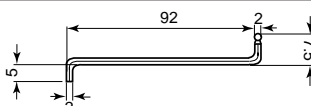
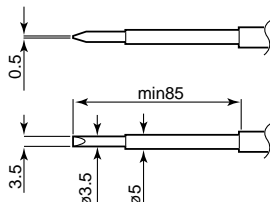
Convergence and Focus Adjustment for the Optical Mechanism

Colour	Adjustment	Direction	Movement	Position	Adjusting tool	Lock screw	Tightening tool
R/B colours	Convergence	X direction	±0.8mm	Eccentric cam	Eccentric cam adjusting wrench	d	Hex wrench
		Y direction	±0.8mm	Eccentric cam	Eccentric cam adjusting wrench	d	Hex wrench
		θZ direction	±1°	Eccentric cam	Eccentric cam adjusting wrench	d	Hex wrench
	Focus	Z direction	±0.8mm	Notch and hole "a" & "c"	Eccentric screwdriver,	a, c	Phillips screwdriver, *Hex wrench
		θX direction	±1°	Notch and hole "a" & "c"	Bladed screwdriver	a, c	
		θY direction	±1°	Notch and hole "b" & "c"		b, c	
G colour	Focus	Z direction	±0.2mm	Same as for R and B colours			
		θX direction	±1°				
		θY direction	±1°				

Focus Adjustments the Other Way

Lock screw	Position	Related direction
a	Notch and hole "a"	Z and θX directions
b	Notch and hole "b"	θY direction
c	Notch and hole "c"	Z, θX and θY directions

Convergence and Focus Adjusting and Tightening Tools

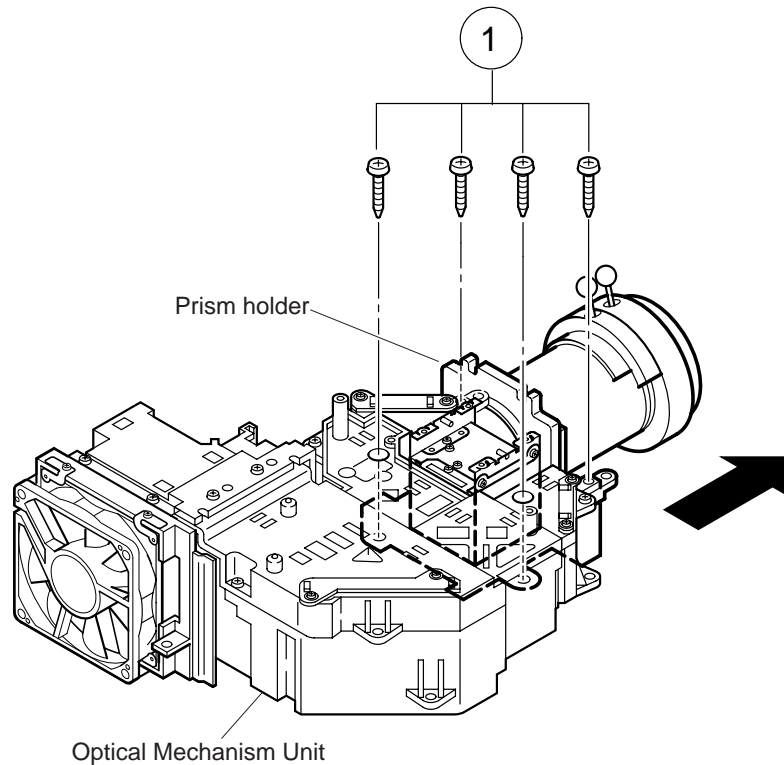
Tool	Specific or General	Tool code	Configuration
Eccentric cam adjusting wrench	Specific	9DASPN-XGNV1U	
Eccentric screwdriver	Specific	9DADRIVER-NV4U	
Hex wrench	General (redesigned)	9EQLNC-XGNV1U	
		9EQLNC-XGNV4U	
Bladed screwdriver	General	9EQDRIVER-NV1B	
Phillips screwdriver	General	—	For M2.6 pan-head machine screw
*Hex wrench	General	—	1.27mm, preferably use a 70 mm or longer screwdriver (with a handle).

Replacing the LCD panels

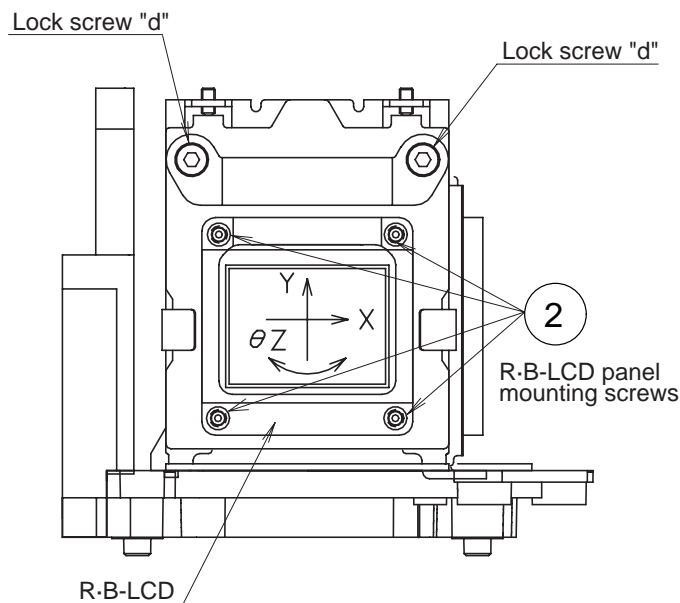
Detach the top panel and the optical mechanism unit in advance.

- (1) Remove the four prism holder lock screws. Detach the prism holder from the optical mechanism unit.
- (2) Remove the LCD panel lock screws (four each for the R-, G- and B-LCD panels). Detach the LCD panels from the prism holder.
- (3) Mount a new LCD panel in the reverse order of the above steps (1) and (2).

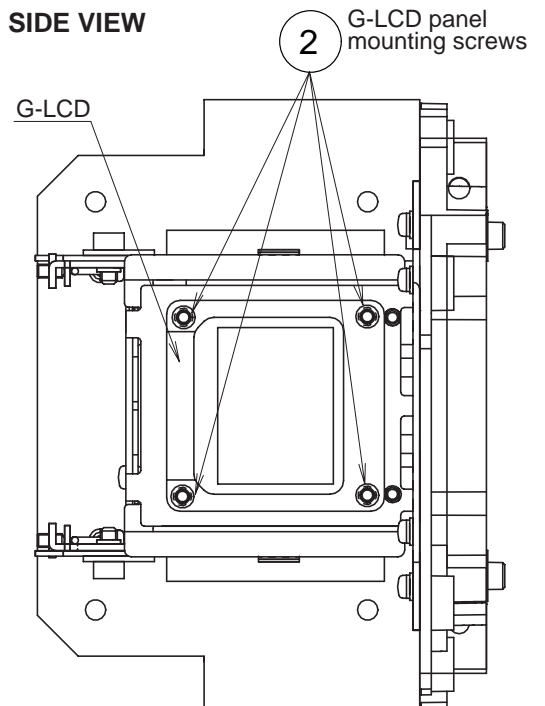
* Readjust the convergence and focus. Note that the G-LCD panel needs no convergence adjustment and has a small adjustment range in the Z direction.



SIDE VIEW (from inside)



SIDE VIEW

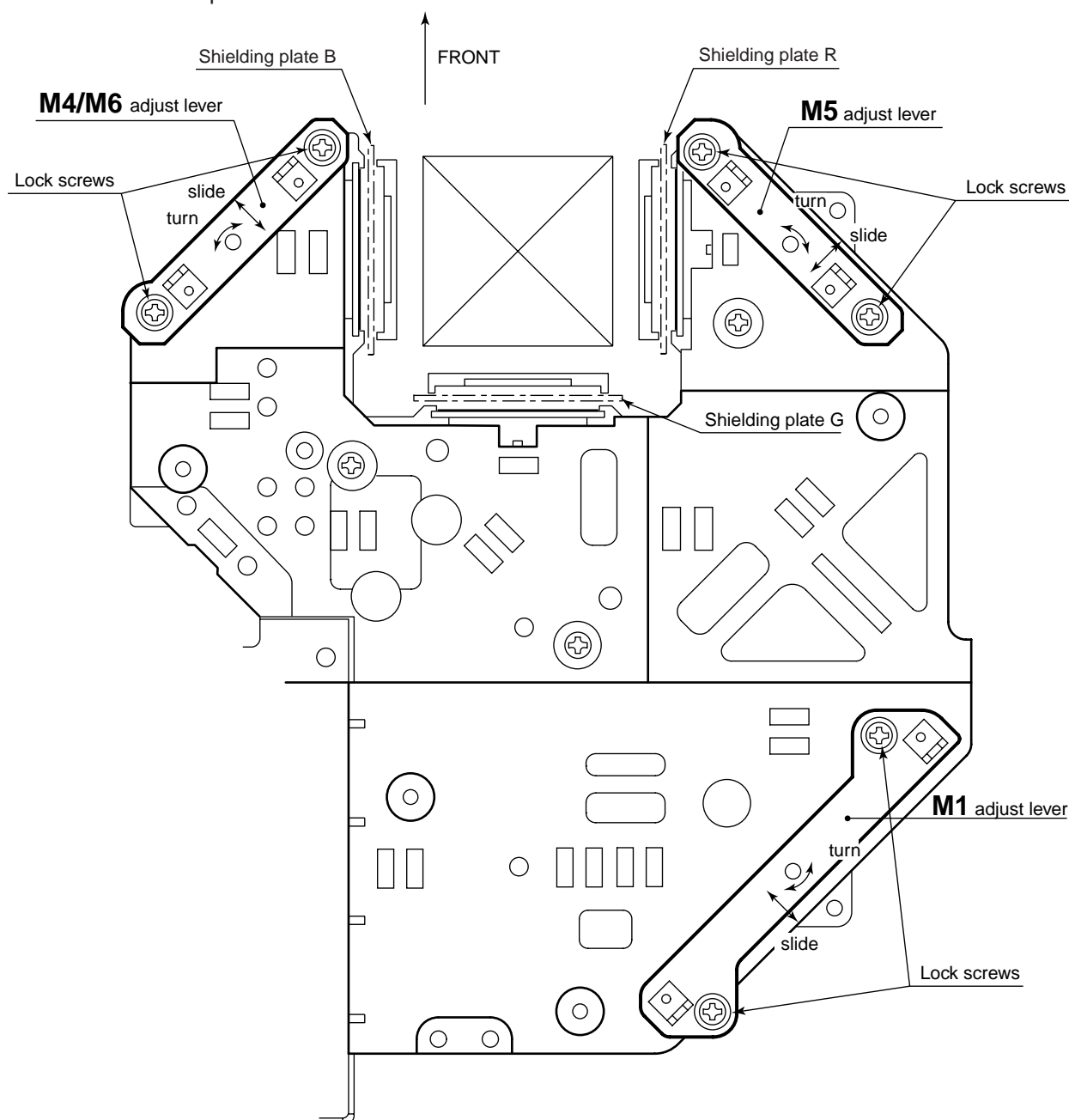


Adjusting the optical axis of the mirrors (M1, M5 and M4/M6)

The optical axis must be readjusted if an eclipse happens with the R, G or B mirrors. Generally speaking, this adjustment is needed when any of the internal optical components has been replaced.

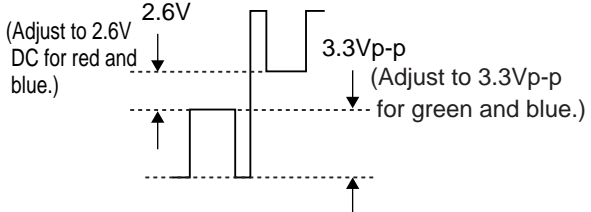
Adjustment procedure required when any of the panels has been replaced or the convergence has been adjusted

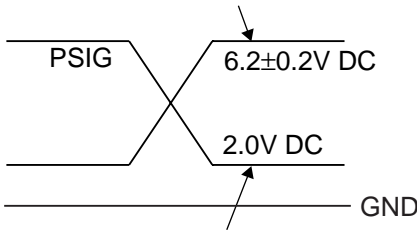
- (1) Disconnect the flat cables of all the LCD panels.
- (2) Let the lamp light up.
- (3) To adjust the G mirror, shield the R and B mirrors with shielding plates (You can use a business card or the like to block the light).
- (4) Loosen the lock screw of the M1 adjust lever.
- (5) Looking at the G image on the screen, turn or slide the M1 adjust lever until the eclipse on the screen disappears. Tighten up the screw.
- (6) To adjust the R mirror, shield the G and B mirrors and adjust the M5 adjust lever. For the B mirror, shield the R and G mirrors and adjust the M6 adjust lever.
- (7) Remove all the shielding plates to have a white image. Make sure there is no eclipse.

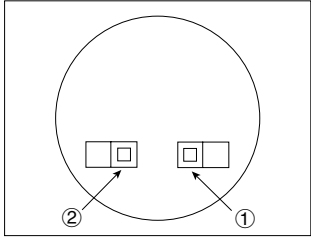
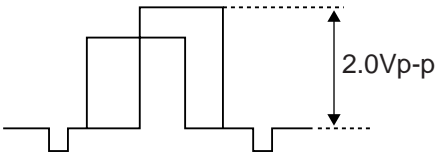


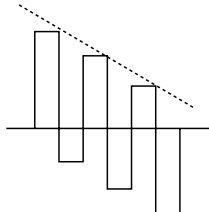
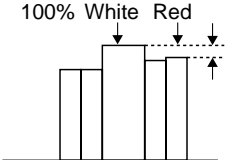
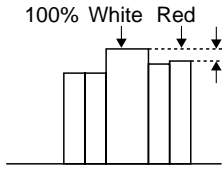
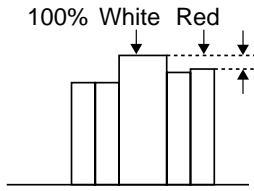
ELECTRICAL ADJUSTMENT

Hook up a signal generator, or a DOSV or Mac personal computer to the projector in order to feed the signals specified in the Adjusting conditions.

No.	Adjusting point	Adjusting conditions	Adjusting procedure
1	EEPROM initialization	1. Turn on the power (make sure the lamp lights up) and warm up the unit for 15 minutes.	<ul style="list-style-type: none"> Make the following settings: Press SW5101 to call up the process mode and execute S2 in the SSS menu. Now the system, with the PC board not included, is initialized. Do not execute S1 because otherwise the PC board will be initialized. To adjust the PC board, follow the instruction in "Adjusting the PC board". (See page 31)
2	3.3V power supply adjustment	1. Turn on the power. 2. Connect the digital voltmeter to TP1446.	<ul style="list-style-type: none"> Adjust R1649 so that the voltmeter should read 3.43 ± 0.03 Vp-p.
3	2.5V power supply adjustment	1. Turn on the power. 2. Connect the digital voltmeter to TP1447.	<ul style="list-style-type: none"> Adjust R1652 so that the voltmeter should read 2.60 ± 0.05 Vp-p.
4	R drive	1. Feed the 100% red-only signal. Make the following choice. Group : A/D Subject : R-D	<ul style="list-style-type: none"> Using the control switches or the remote controller buttons, adjust the data so that the signal becomes bit-less (noise).
5	B drive	1. Feed the 100% blue-only signal. Make the following choice. Group : A/D Subject : B-D	<ul style="list-style-type: none"> Using the control switches or the remote controller buttons, adjust the data so that the signal becomes bit-less (noise).
6	G drive	1. Feed the 100% green-only signal. Make the following choice. Group : A/D Subject : G-D	<ul style="list-style-type: none"> Using the control switches or the remote controller buttons, adjust the data so that the signal becomes bit-less (noise).
7	RGB 1 system black level signal amplitude (odd-numbered)	1. Make the following choice: Group : OUTPUT 1 Subject : G1-BLK G1-GAIN For red, choose the subjects R1-BLK and R1-GAIN. For blue, choose the subjects B1-BLK and B1-GAIN. 2. Connect the oscilloscope to TP1101 for red. TP1201 for green TP1301 for blue	<ul style="list-style-type: none"> Choose the subject G1-GAIN and adjust the signal amplitude to 3.3 ± 0.1 Vp-p using the control switches or the remote controller buttons. Next, choose the subject G1-BLK and adjust the white to white level to 2.6 ± 0.1 V DC.  <ul style="list-style-type: none"> Adjust the signal's amplitude and white to white level to 3.3 ± 0.1 Vp-p and 2.6 ± 0.1 V DC, respectively, for red and blue.

No.	Adjusting point	Adjusting conditions	Adjusting procedure
8	P SIGNAL	<ol style="list-style-type: none"> 1. Connect the oscilloscope to TP1701 for red. TP1702 for green TP1703 for blue. 2. Make the following choice: Group : OUTPUT 2 Subject : PSIG-H : PSIG-L 	<ul style="list-style-type: none"> • Adjust the PSIG waveform to the one shown below. (Adjust with PSIG-H.)  <ul style="list-style-type: none"> • For the green and blue colours, make sure their waveforms are similar to that of the red colour. • Make sure the pin stripe of every 12 dot doesn't appear at 10 steps signal of side nays. (Appearing white pin stripe or black one, adjust the PSIG-H.)
9	Panel ghost adjustment	<ol style="list-style-type: none"> 1. Project the XGA60Hz ghost test pattern (black characters in bold on the halftone RGB background). Group: OUTPUT3 2. GCK-PHASE adjustment Make sure the setting is fixed at 8 (initial value). 3. EN-WIDTH adjustment Make sure the setting is fixed at 8 (initial value). 4. ENR-PHASE adjustment (R-LCD ghost adjustment) 5. ENG-PHASE adjustment (G-LCD ghost adjustment) 6. ENB-PHASE adjustment (B-LCD ghost adjustment) 	<ul style="list-style-type: none"> • ENR-PHASE adjustment (R-LCD ghost adjustment) <ol style="list-style-type: none"> ① Increase the setting until a ghost image (see Note) becomes visible at the left of the back characters on the R half-tone background. ② Lower the setting point by point until the left-hand ghost image (① above) disappears. ③ Further lower the setting by one point. • ENG-PHASE adjustment (G-LCD ghost adjustment) Adjust the G ghost image by following the same procedures described under step 1 above. • ENB-PHASE adjustment (B-LCD ghost adjustment) Adjust the B ghost image by following the same procedures described under step 1 above. <p>Note: Left-hand ghost image: Characters are shown double 12 dots left from the real characters.</p> <p>Reference: This adjustment is made because the EPSON LCD panel may have 1- or 2-point differences due to lot-by-lot variations.</p>
10	Sample-and-hold pulse phase RCK-PHASE GCK-PHASE BCK-PHASE	<ol style="list-style-type: none"> 1. Feed the XGA mode 75-Hz black signal. 2. Make the following choice: Group : OUTPUT 3 Subject : SH-PHASE (Have the standard level at 2.) Fix the RCK-, GCK- and BCK-PHASE settings all to 8. 	<ul style="list-style-type: none"> • Using the control switches or the remote controller buttons, make sure that the "OUTPUT 3" characters are not blurry and there is no ghost image. If such blur or ghost occurs, finely adjust the setting in the range of 7~9.

No.	Adjusting point	Adjusting conditions	Adjusting procedure
11	RGB counter-voltage adjustment	<ol style="list-style-type: none"> 1. Feed the black-and-red (25%) stripe signal (XGA). 2. Make the following choice: Group : OUTPUT 3 Subject : RC (R) and Group : OUTPUT 3 Subject : RC-INV (R) 	<ul style="list-style-type: none"> • Using the control switches or the remote controller buttons, adjust the data in order to minimize the flicker. • Make the same adjustment for BC (B), GC (G), RC-INV (B) and RC-INV (G). • See if the image is equally adjusted at the center and both sides of the screen. If not, readjust the setting to have the image equal at right and left.
12	RGB gradation regeneration adjustment	<ol style="list-style-type: none"> 1. Feed the green-only SMPTE pattern signal (XGA). Group : OUTPUT 1 Subject : G1-BLK 	<ul style="list-style-type: none"> • Adjust the G-BLK data until the gradation of the portion ① (95% and 100% white) shown below can be slightly recognized. Make sure also that the gradation of the portion ② (0% and 5% black) is visible. 
13	RGB white balance	<ol style="list-style-type: none"> 1. Feed the 32-step gray scale signal (XGA). Group : OUTPUT 1 Subject : R1-BLK (R) B1-BLK (B) 	<ul style="list-style-type: none"> • Choose the subjects R1-BLK and B1-BLK and adjust the black balance of the gradation.
14	Horizontal center	<ol style="list-style-type: none"> 1. Feed the NTSC monoscope pattern signal. 2. Group : VIDEO 2 Subject : N358-DLY (4) N443-DLY (0) PAL-DLY (3) SECAM-DLY (0) Make sure the settings are as above. 3. Group : VIDEO 1 Subject : NTSC-H 	<ul style="list-style-type: none"> • Using the control switches or the remote controller buttons, adjust the data to have the same overscan.
15	Video picture adjustment	<ol style="list-style-type: none"> 1. Feed the split colour bar signal. Group : VIDEO 1 Subject : PICTURE 2. Connect the oscilloscope between pin (2) of P801 and GND. 	<ul style="list-style-type: none"> • Using the control switches or the remote controller buttons, adjust the black-to-white (100%) level difference to 2.0 ± 0.02 Vp-p. 

No.	Adjusting point	Adjusting conditions	Adjusting procedure
16	Video brightness adjustment	<ol style="list-style-type: none"> 1. Feed the baseband (split colour bar) signal. (The ON-AIR signal is not accepted because of its too much noise.) Group : VIDEO 2 Subject : VROS/VGOS/VBOS 2. Press the control switch or the remote control's mute button (to set the gamma correction to the process setting). 	<ul style="list-style-type: none"> • Using the control switches or the remote controller buttons, adjust the setting until the black signal becomes bit-less.
17	Video AGC	<ol style="list-style-type: none"> 1. Feed the split colour bar signal. Group : VIDEO 1 Subject : AGC 	<ul style="list-style-type: none"> • Using the control switches or the remote controller buttons, adjust the setting until the white signal becomes bit-less.
18	Tint	<ol style="list-style-type: none"> 1. Feed the split colour bar signal. Group : VIDEO 1 Subject : TINT 2. Connect the oscilloscope to pin (4) of P801. 	<ul style="list-style-type: none"> • Using the control switches or the remote controller buttons, adjust the data to have the -(B-Y) waveform downhill straight. • After adjusting, adjust the value of TINT up 3 point. 
19	NTSC colour saturation level	<ol style="list-style-type: none"> 1. Feed the split colour bar signal. Group : VIDEO 1 Subject : N-COLOR 2. Connect the oscilloscope to pin (1) of P801. 	<ul style="list-style-type: none"> • Using the control switches or the remote controller buttons, adjust the difference between the 100% white portion and the red portion to 0.00 ± 0.05 Vp-p. (same as 100% white) 
20	PAL colour saturation level	<ol style="list-style-type: none"> 1. Feed the PAL colour bar signal. Group : VIDEO 1 Subject : P-COLOR 2. Connect the oscilloscope to pin (1) of P801. 	<ul style="list-style-type: none"> • Using the control switches or the remote controller buttons, adjust the difference between the 100% white portion and the red portion to 0.2 ± 0.05 Vp-p. 
21	SECAM colour saturation level	<ol style="list-style-type: none"> 1. Feed the SECAM colour bar signal. Group : VIDEO 1 Subject : S-COLOR 2. Connect the oscilloscope to pin (1) of P801. 	<ul style="list-style-type: none"> • Using the control switches or the remote controller buttons, adjust the data to have a level difference of 0.2 ± 0.05 Vp-p between the 100% white portion and the red portion. 

No.	Adjusting point	Adjusting conditions	Adjusting procedure
22	Video input panel signal amplitude adjustment	<ol style="list-style-type: none"> 1. Feed the NTSC 10-step signal. 2. Select the following group and subject. Group: VIDEO2 Subject: R1-GAIN B1-GAIN 3. Connect the oscilloscope to TP1101 (R) and TP1201 (G). 4. For the blue colour, connect the oscilloscope to TP1301 (B) and TP1201 (G). 	<ul style="list-style-type: none"> • Select R1-GAIN and adjust the setting so that the R and G signals have the same amplitude. • For the blue colour, adjust the setting the same way.
23	Video white balance	<ol style="list-style-type: none"> 1. Feed the NTSC monoscope pattern signal Group : VIDEO 2 Subject : R1-BLK B1-BLK 	<ul style="list-style-type: none"> • Using the control switches or the remote controller buttons, adjust so that the entire screen looks evenly colourless.
24	DTV white balance	<ol style="list-style-type: none"> 1. Feed the monoscope pattern signal. 2. Group: DTV Subject: CR-OFFSET CB-OFFSET 	<ul style="list-style-type: none"> • Using the control switches or the remote controller buttons, adjust so that the entire screen looks evenly colourless.
25	Setup	<ol style="list-style-type: none"> 1. Group: VIDEO1 Subject: SET UP B SET UP C 	<ul style="list-style-type: none"> • Make sure the settings are 11 for SET UP B and 2 for SET UP C.
26	Automatic colour correction	<ol style="list-style-type: none"> 1. Using the colour correction system (ccdc), apply automatic colour correction. 	<ul style="list-style-type: none"> • Make sure there is no noticeable colour irregularity left on the screen.
27	Colour system performance check	<ol style="list-style-type: none"> 1. Receive the colour bar signal. 	<ul style="list-style-type: none"> • In the process mode and select L1. Check the colour and tint.
28	Video system performance check	<ol style="list-style-type: none"> 1. Receive the monoscope pattern signal. 	<ul style="list-style-type: none"> • In the process mode and select L2. Check the picture, brightness and sharpness.
29	Audio system performance check		<ul style="list-style-type: none"> • In the process mode nad select L3. Check the bass, treble.

No.	Adjusting point	Adjusting conditions	Adjusting procedure						
30	RGB performance check	1. Receive the RGB signal.	<ul style="list-style-type: none">• In the process mode and select L4. Check the picture, brightness, red, blue, clock, phase, horizontal position, and vertical position.						
31	Off-timer performance check		<ul style="list-style-type: none">• In the process mode and select OFF. Make sure that the off-timer starts with “5” (minutes), counts down each minute in 1 second, and turns off the set at “0”.						
32	Thermistor performance check	1. Heat the thermistor using a dryer.	<ul style="list-style-type: none">• Make sure the “TEMP” is displayed.						
33	Automatic synchronization	1. Receive the PHASE check pattern signal.	<ul style="list-style-type: none">• Call the VGA/SVGA/XGA/SXGA mode and make sure that the clock, phase, horizontal and vertical positions can be automatically adjusted.						
34	Keystone correction performance check		<ul style="list-style-type: none">• Make sure the keystone correction functions well.						
35	Factory settings		<ul style="list-style-type: none">• Make the following settings.<table><tr><td>Process adjustment</td><td>Remote controller setting</td></tr><tr><td>S3</td><td>“Factory setting 3”(XG-C40XE)</td></tr><tr><td>S4</td><td>“Factory setting 4”(XG-C40XU)</td></tr></table>	Process adjustment	Remote controller setting	S3	“Factory setting 3”(XG-C40XE)	S4	“Factory setting 4”(XG-C40XU)
Process adjustment	Remote controller setting								
S3	“Factory setting 3”(XG-C40XE)								
S4	“Factory setting 4”(XG-C40XU)								

ADJUSTING THE PC BOARD (CPCi-0047CE15/16. PC I/F Unit)

1. RGB level adjustment

- 1) Connect a signal generator to the projector that is equipped with the 0047 PWB. Set the signal generator output to the XGA mode (VESA1024x768, 60Hz, 32-tone waveform). Adjust the output amplitude to 700 mVp-p at the P8404 connector.
- 2) Set the projector input to the RGB1 mode.
- 3) Using a pushbutton on the projector, call the process mode.
- 4) On the main menu screen, select the group "A/D".
- 5) Select the subject "R-BRIGHT" in the group "A/D" and adjust the "R-BRIGHT" setting so that there should be no bits around the screen.
- 6) Do the same with the "G-BRIGHT" and "B-BRIGHT" settings.
- 7) Next select the group "R-D" and the settings of the above subjects so that there should be no bits around the screen.
- 8) Then select the groups "G-D" and "B-D" and make the same adjustments.

Now let's go to the DTV level adjustment.

2. DTV level adjustment

- 1) Set the signal generator output to the green-only mode.
- 2) On the main menu screen of the process mode, select the group "DTV".
- 3) Select the subject "G-BRIGHT" in the group "DTV" and adjust the "G-BRIGHT" setting so that there should be no bits around the screen.
- 4) Do the same with the "CB-OFFSET" and "CR-OFFSET" settings.

Now the 0047 PWB on the projector is adjusted for delivery.

Note: There is no need to make the VIDEO input adjustments.

Servicing precautions

If the convergence gets out of spec in servicing the set, call the process mode and select the following group and subjects.

Group: NOKO

Subject: R-CNV-H, R-CNV-V

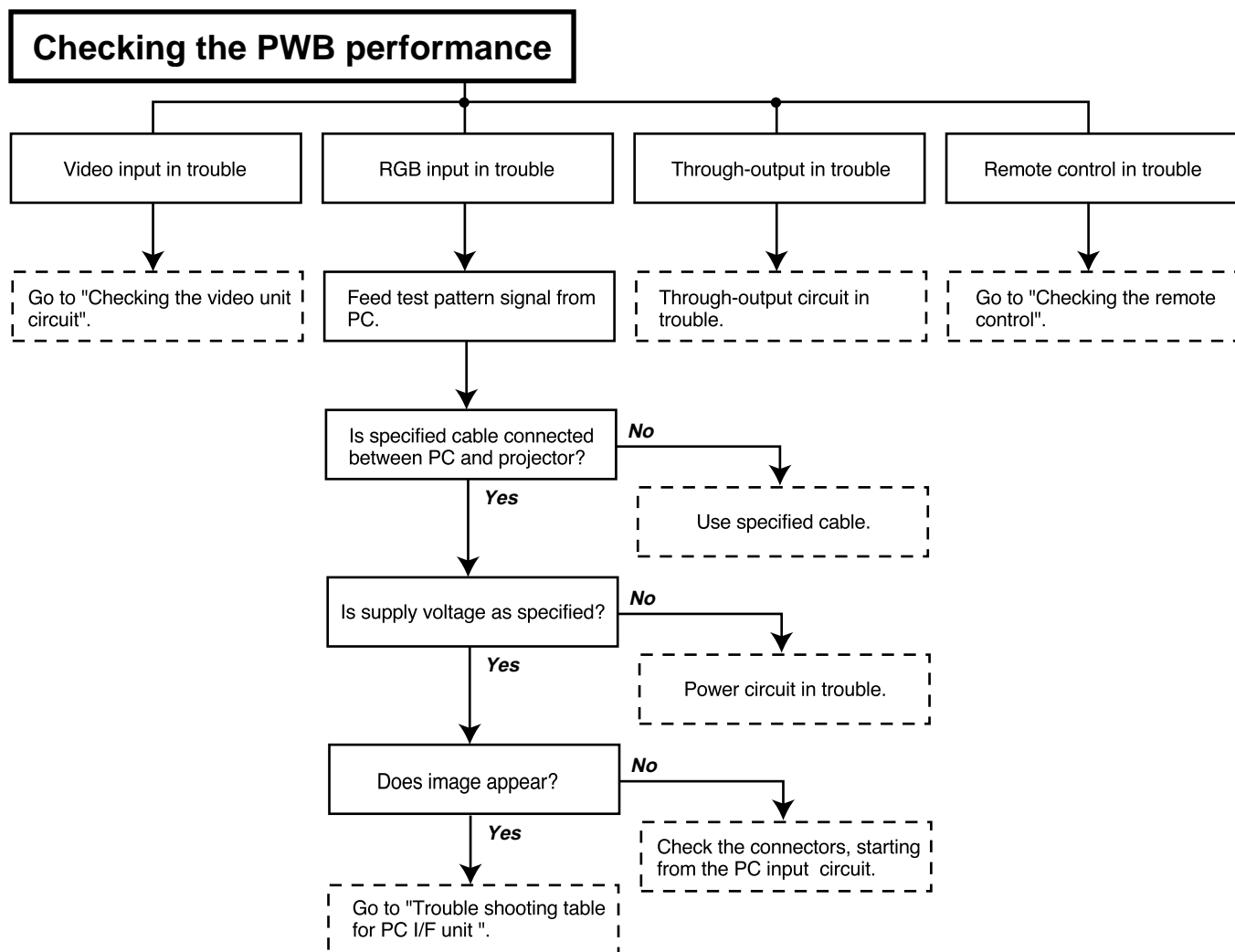
G-CNV-H, G-CNV-V

B-CNV-H, B-CNV-V

(H and V are for horizontal and vertical adjustments, respectively.)

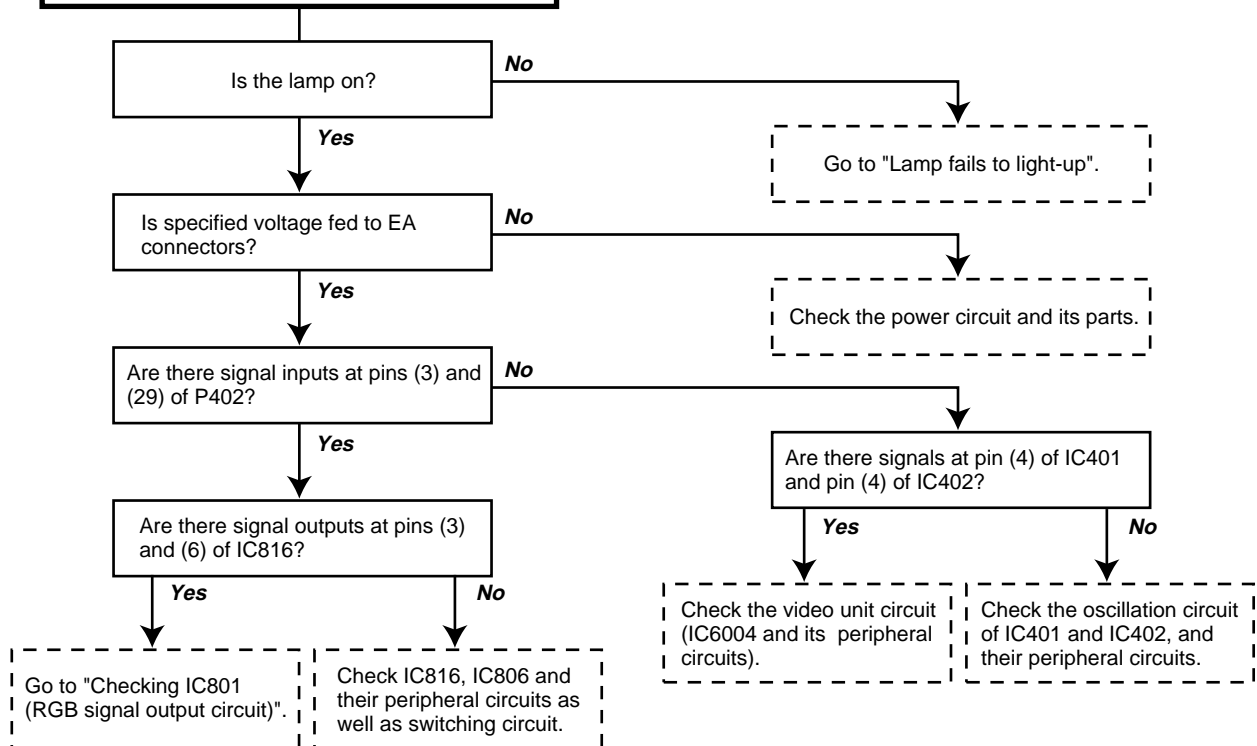
Adjust the above settings to the range of 0 to 4.

TROUBLE SHOOTING TABLE

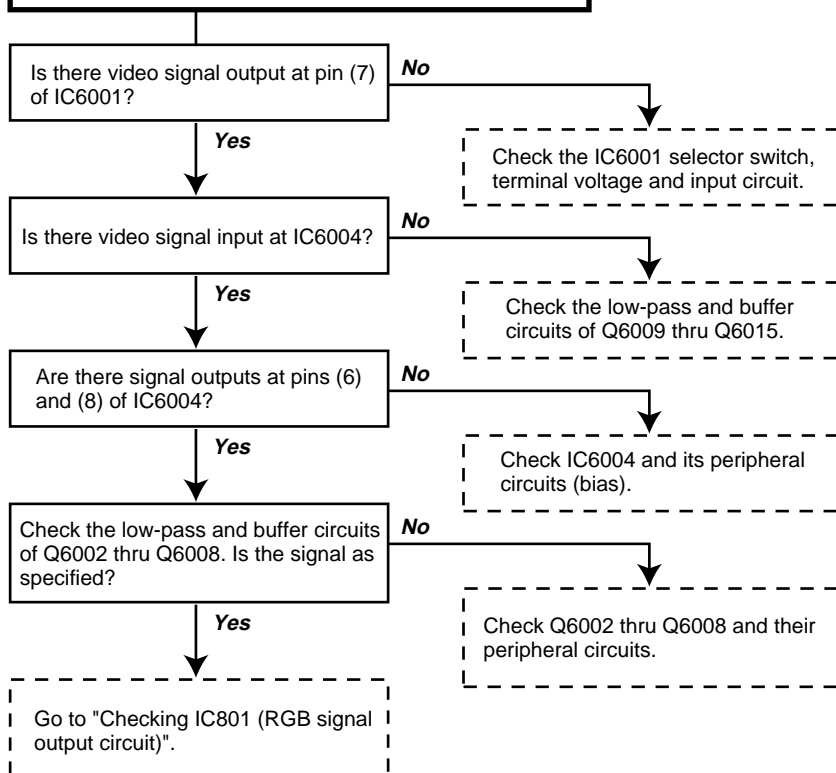


TROUBLE SHOOTING TABLE (Continued)

Checking the video system

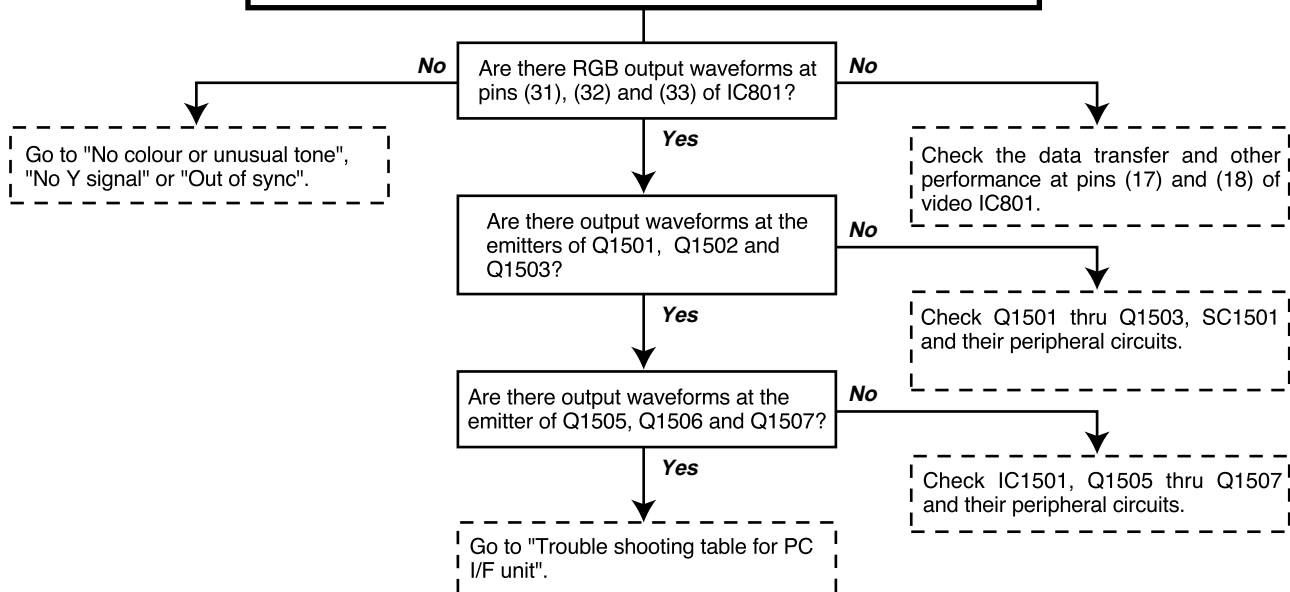


Checking the video unit circuit

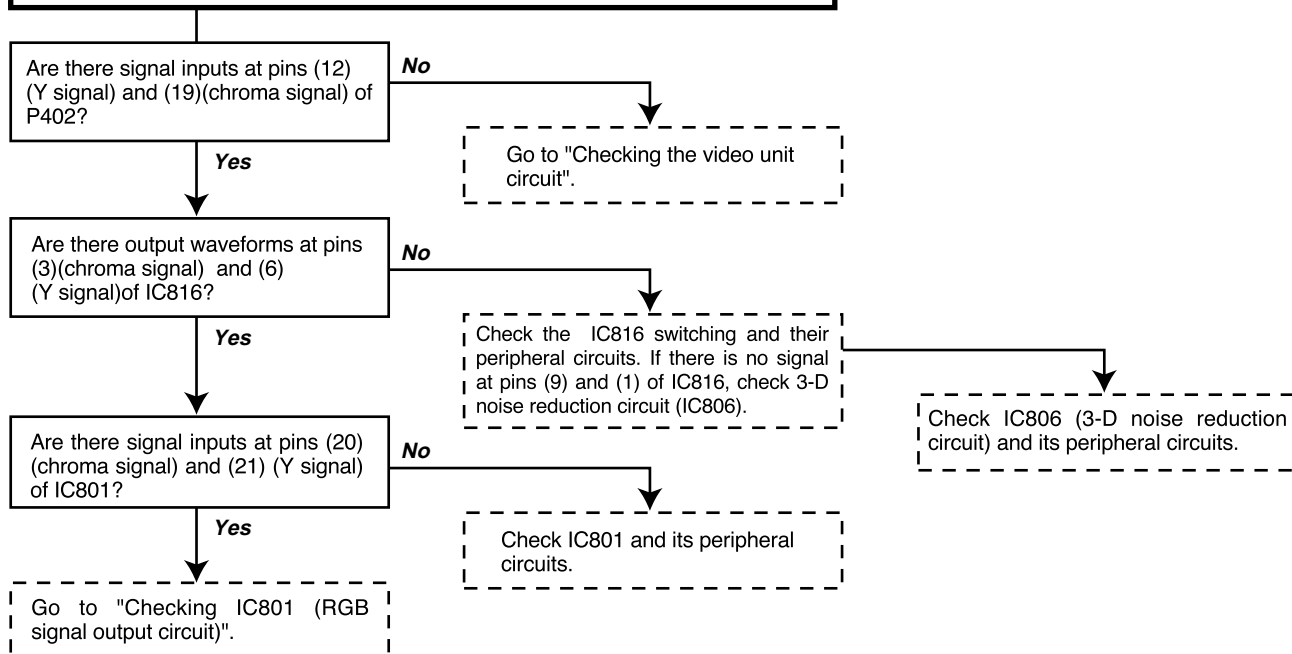


TROUBLE SHOOTING TABLE (Continued)

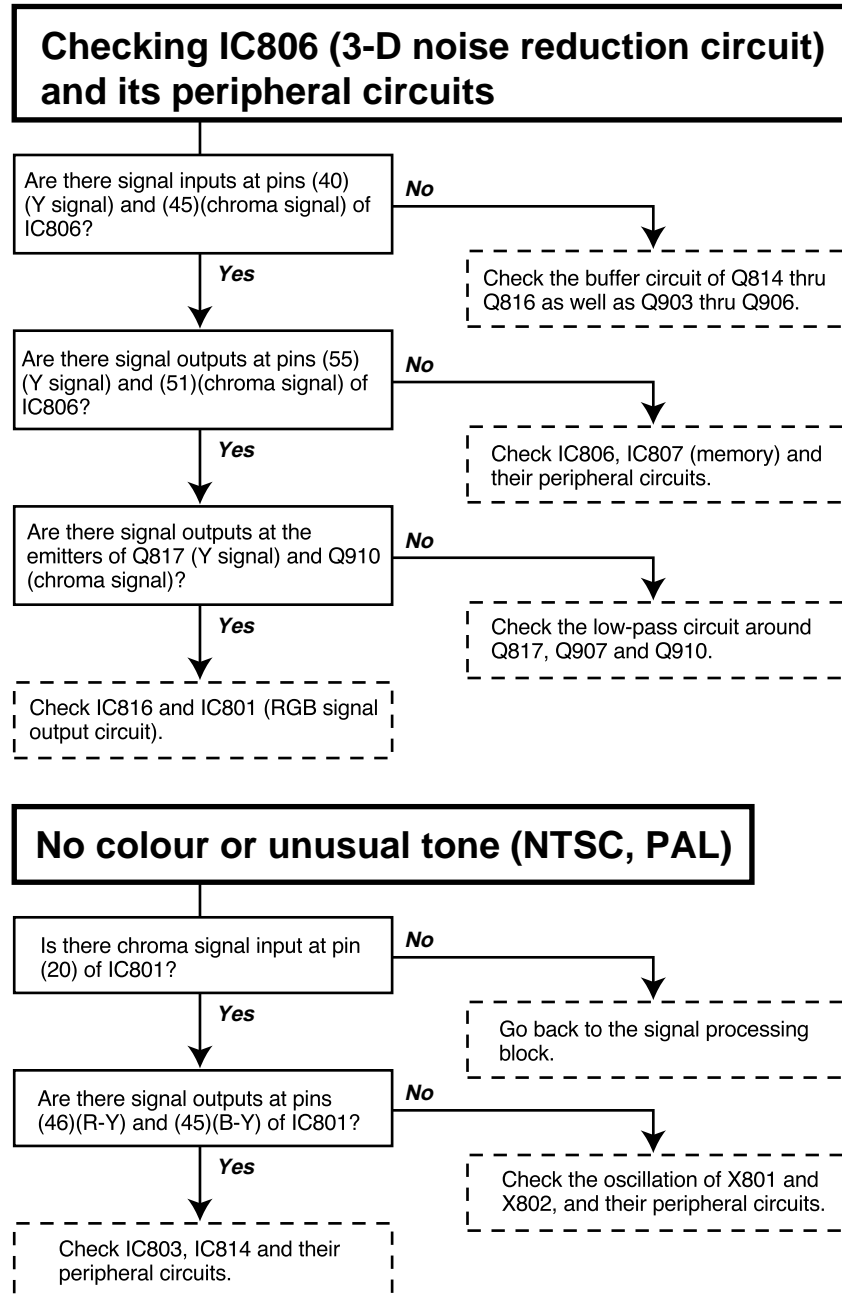
Checking IC801 (RGB signal output circuit)



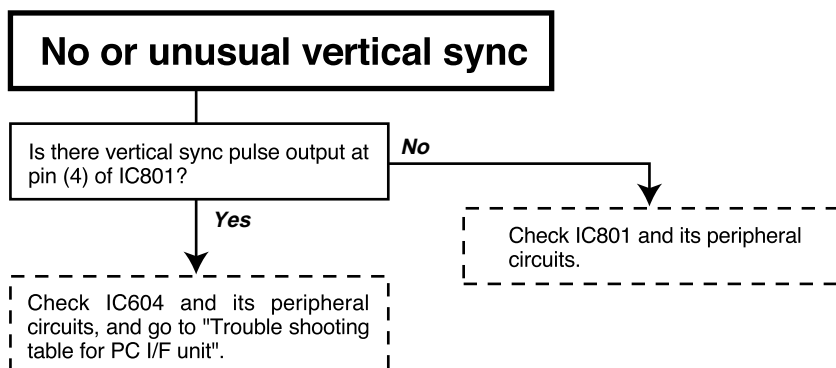
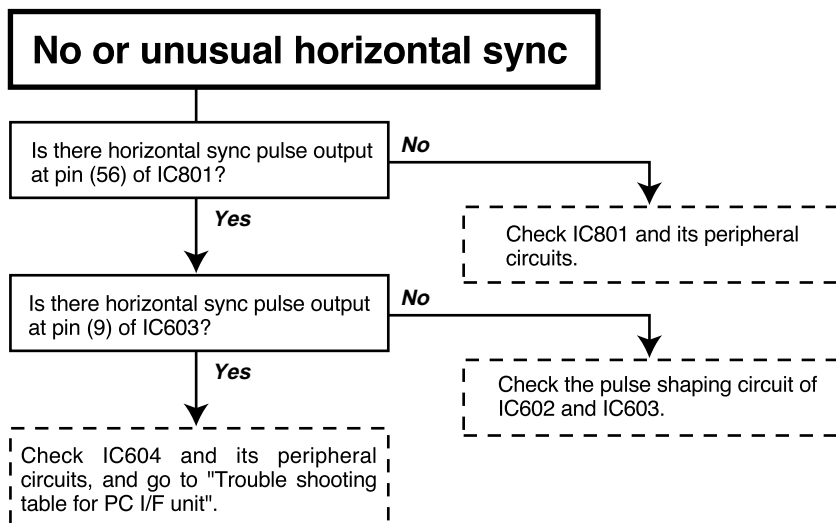
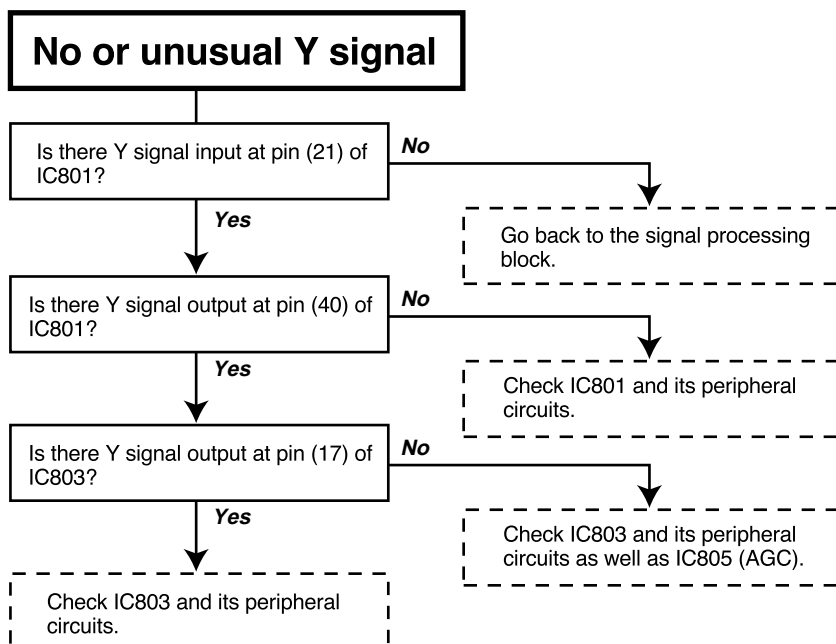
Checking the chroma and Y signals of IC801 (RGB signal output)



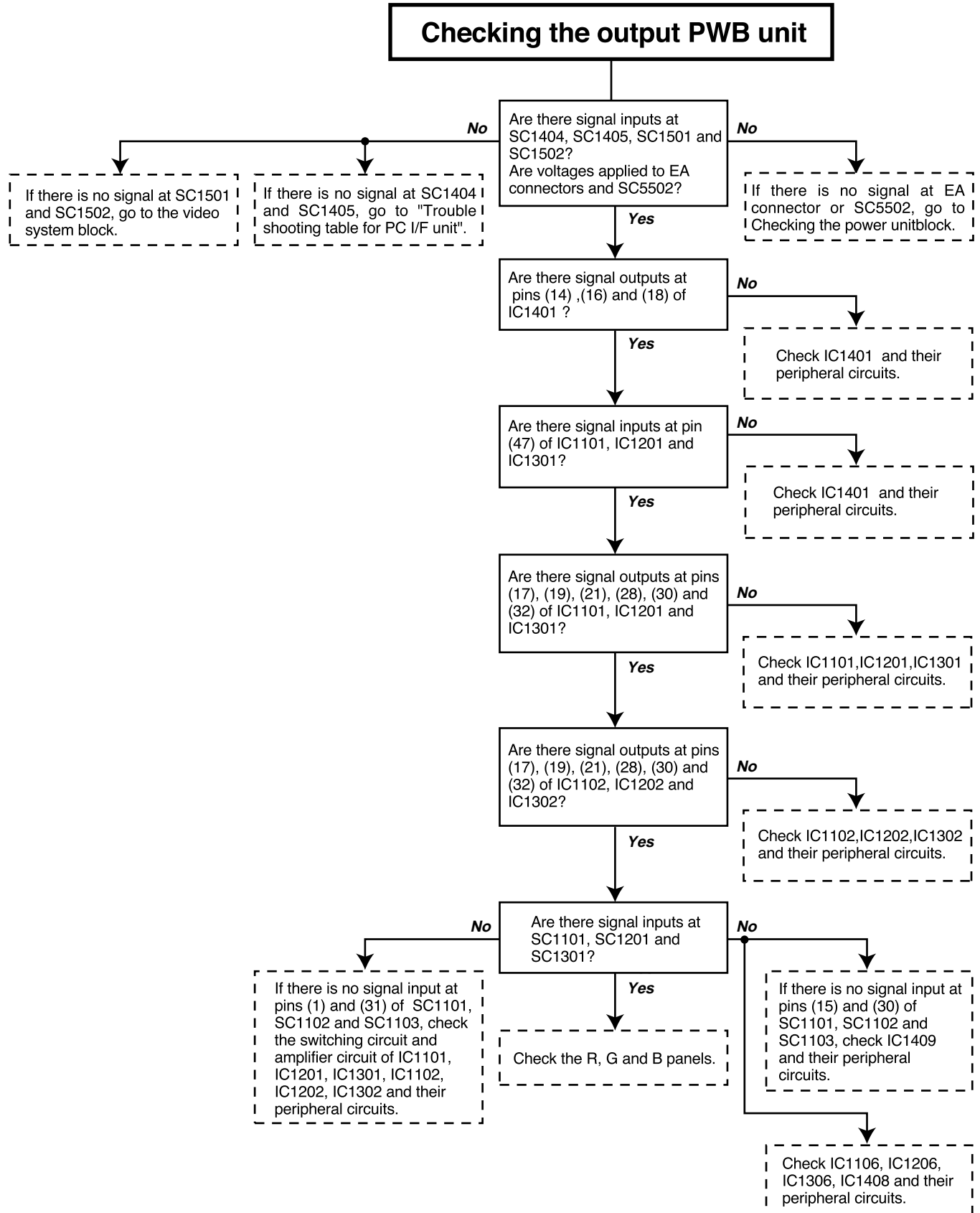
TROUBLE SHOOTING TABLE (Continued)



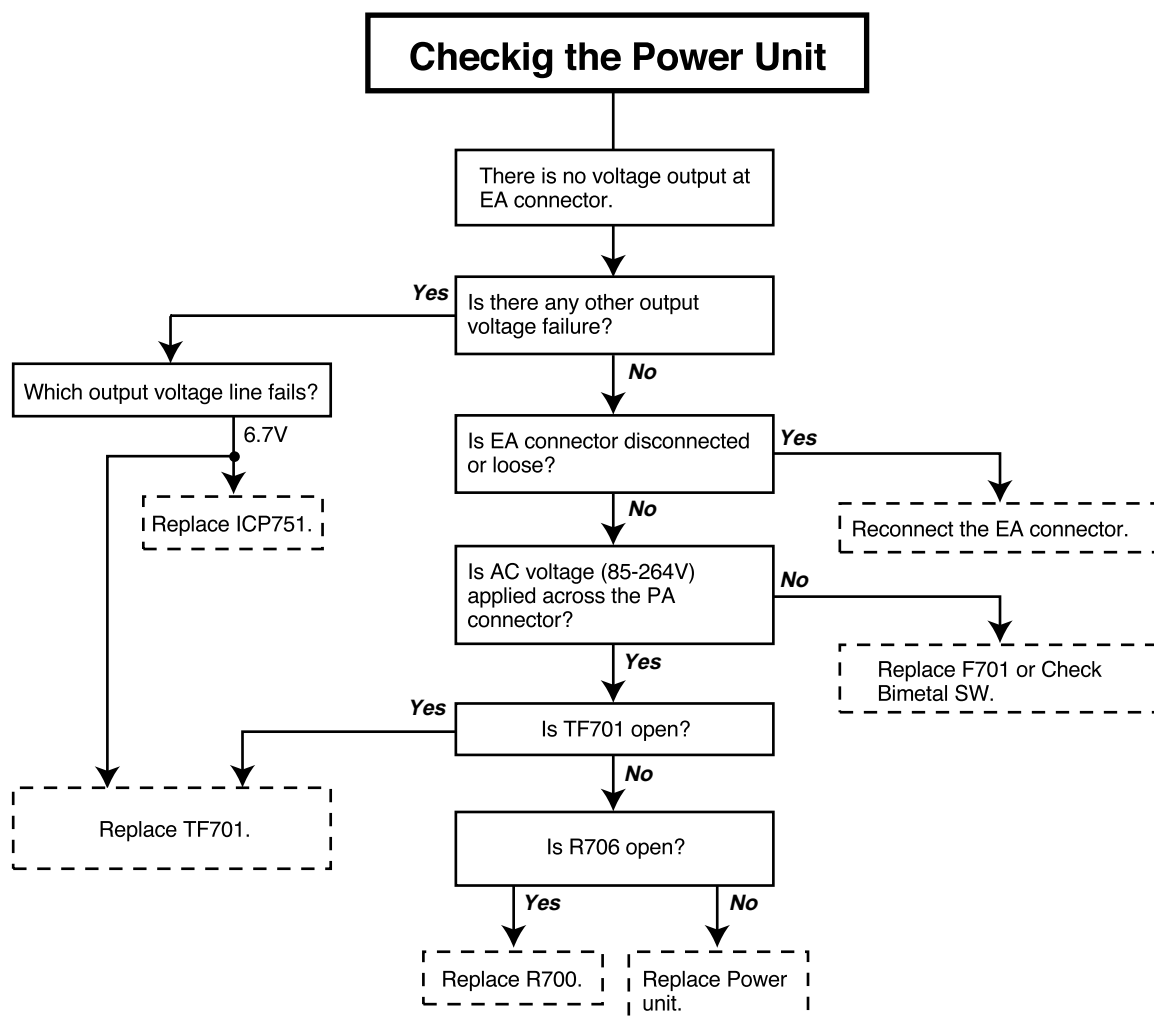
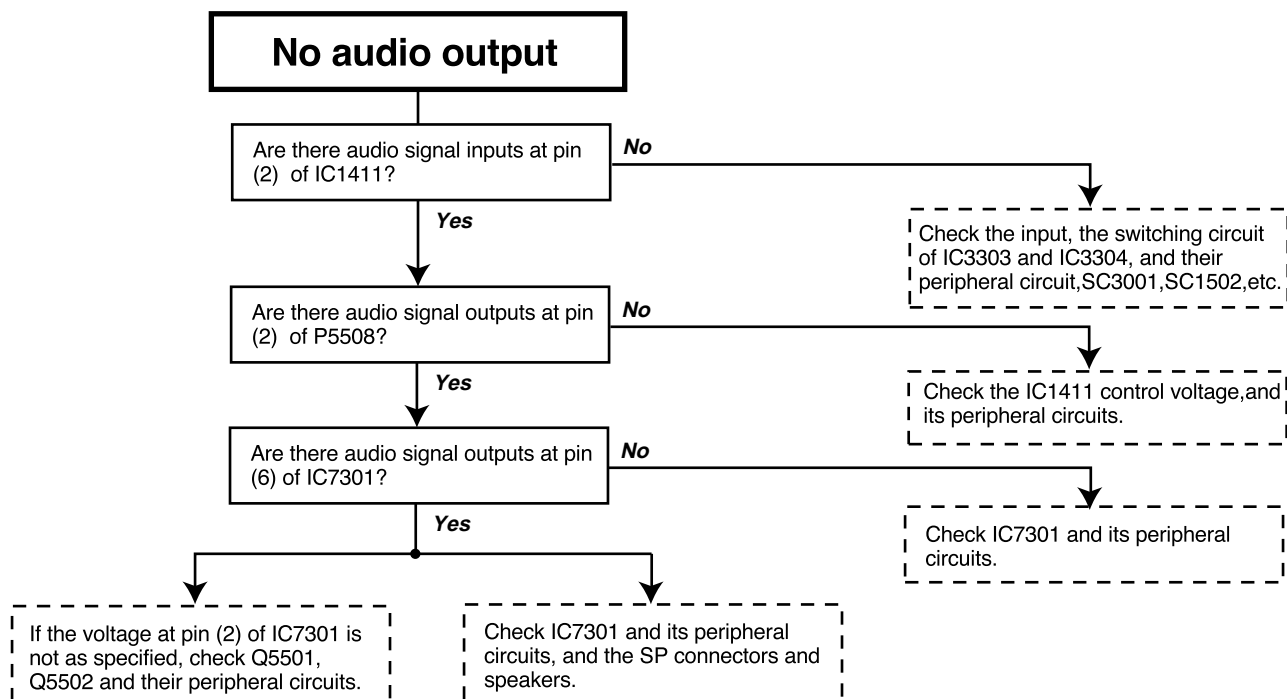
TROUBLE SHOOTING TABLE (Continued)



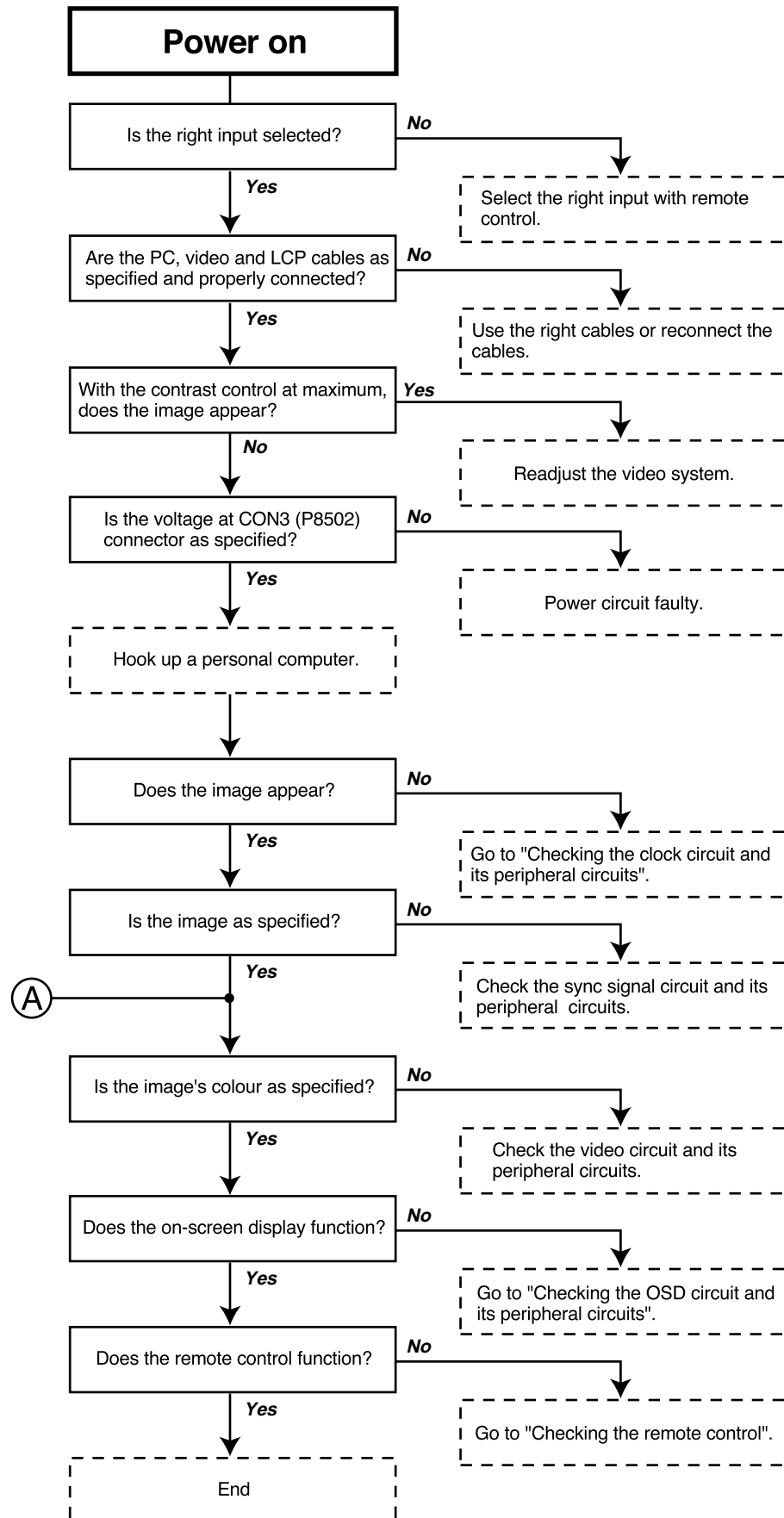
TROUBLE SHOOTING TABLE (Continued)



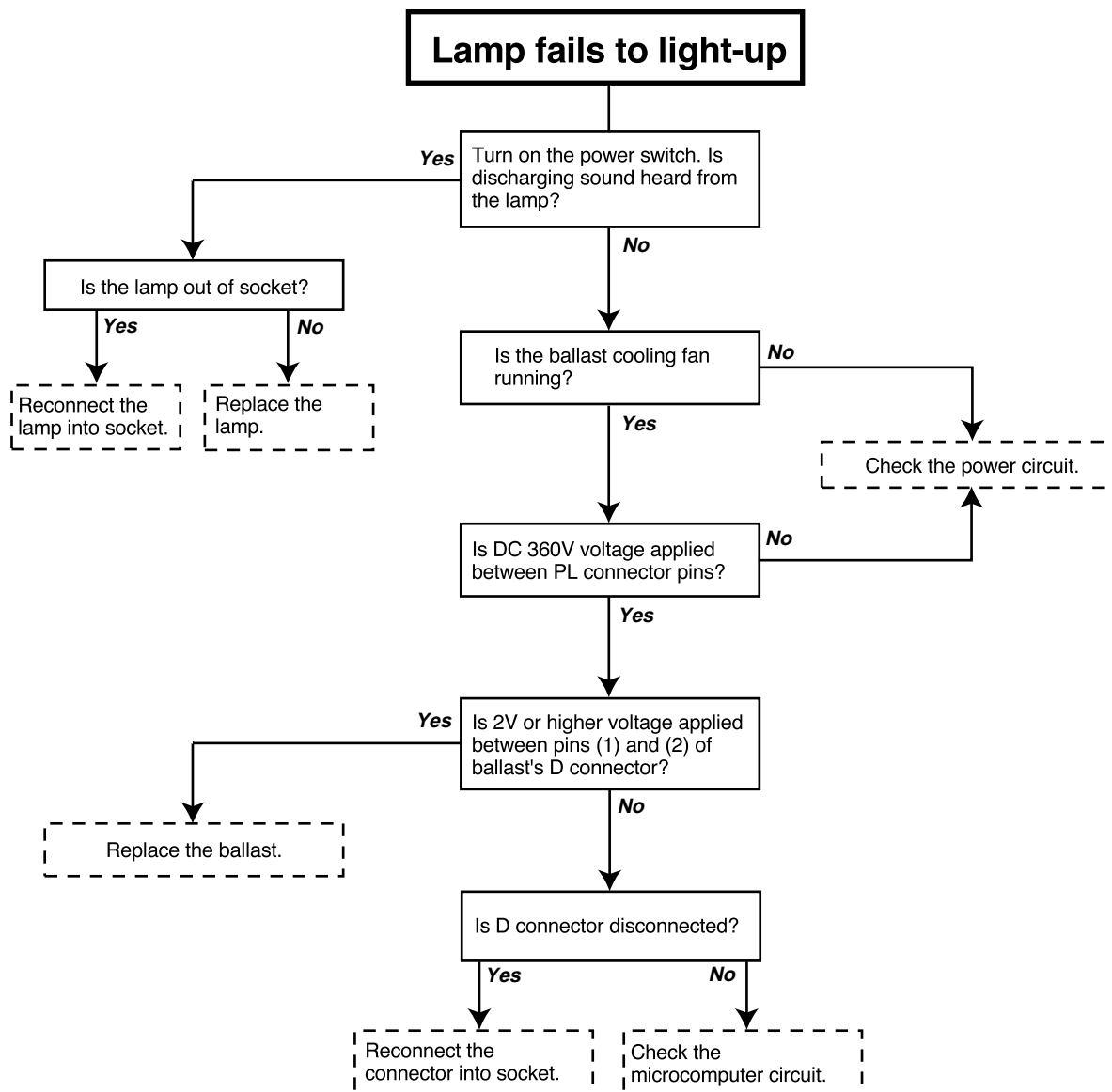
TROUBLE SHOOTING TABLE (Continued)



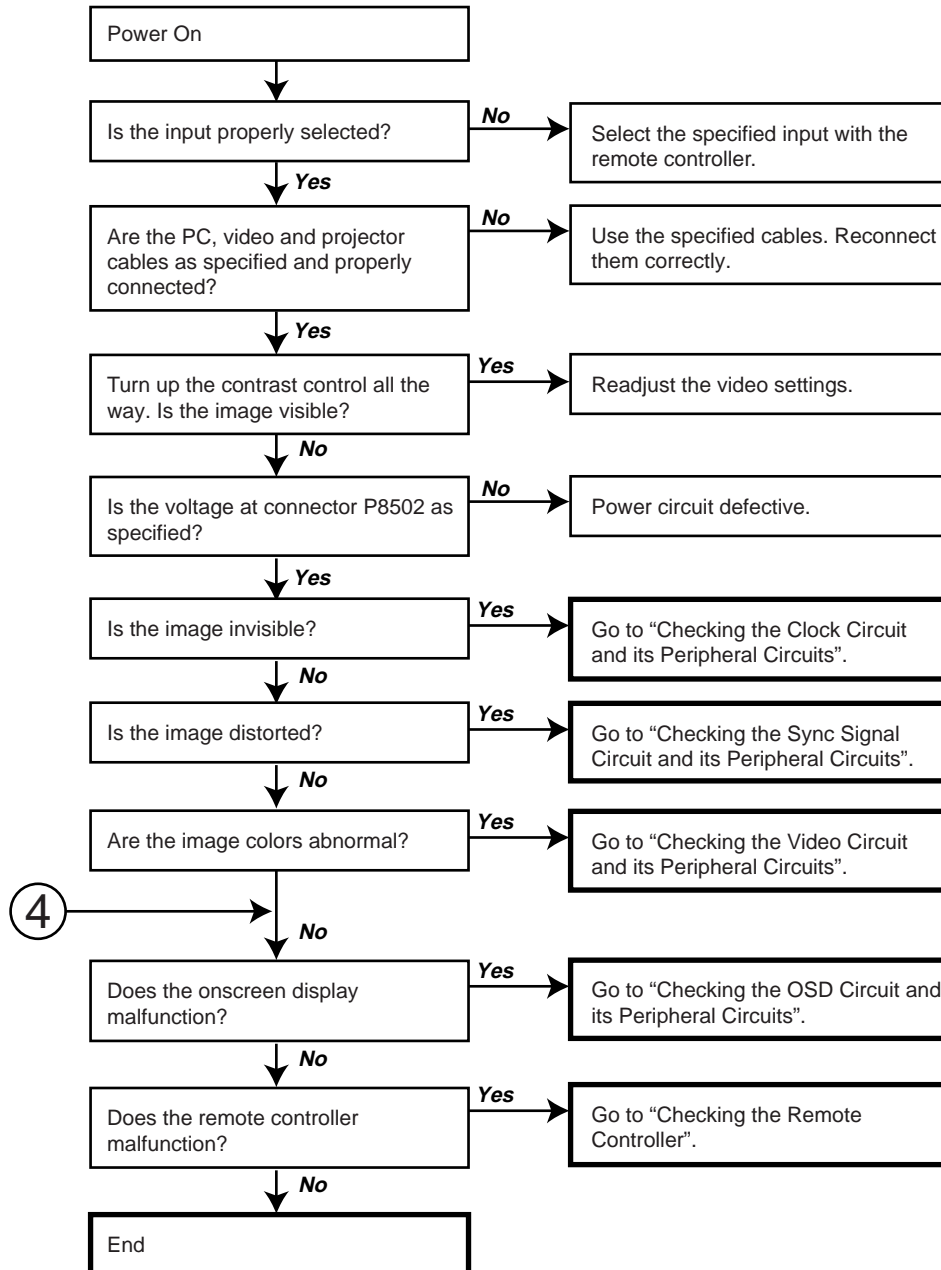
TROUBLE SHOOTING TABLE (Continued)



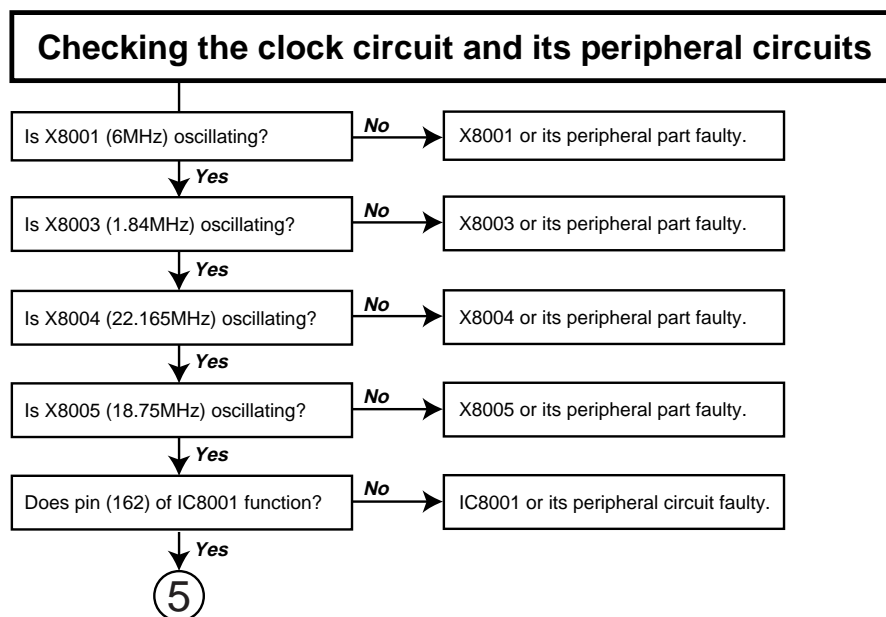
TROUBLE SHOOTING TABLE (Continued)



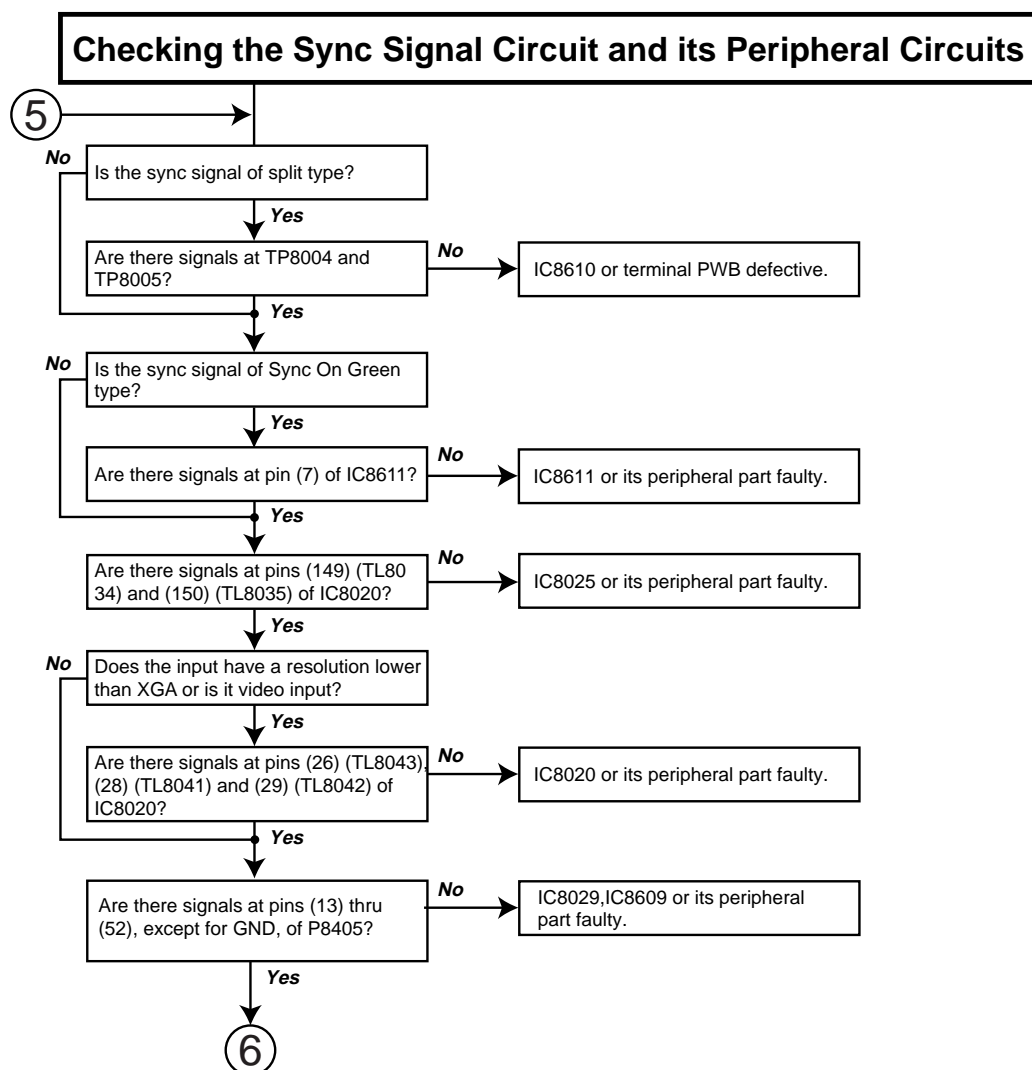
TROUBLE SHOOTING TABLE FOR PC I/F UNIT-1



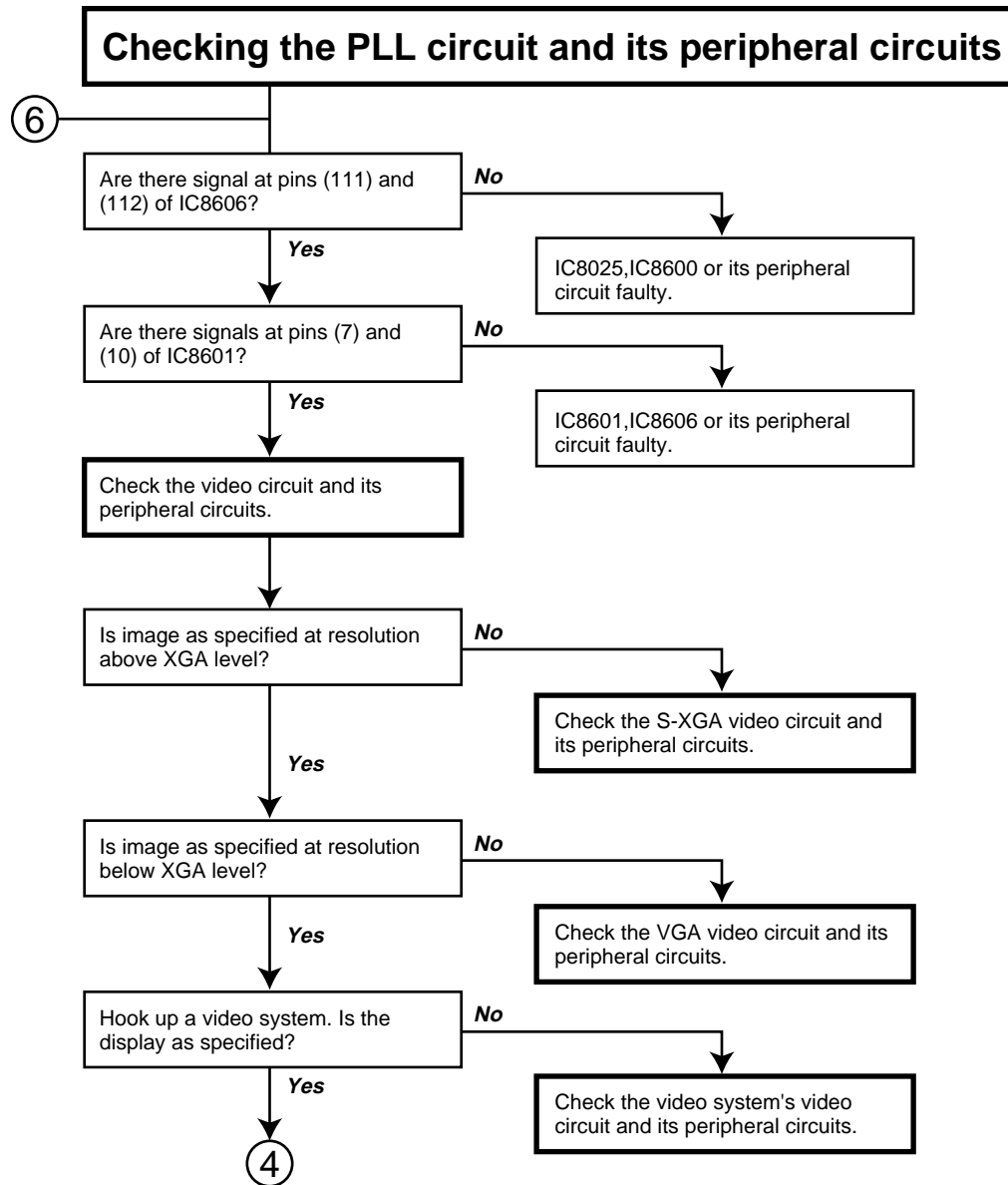
TROUBLE SHOOTING TABLE FOR PC I/F UNIT-2



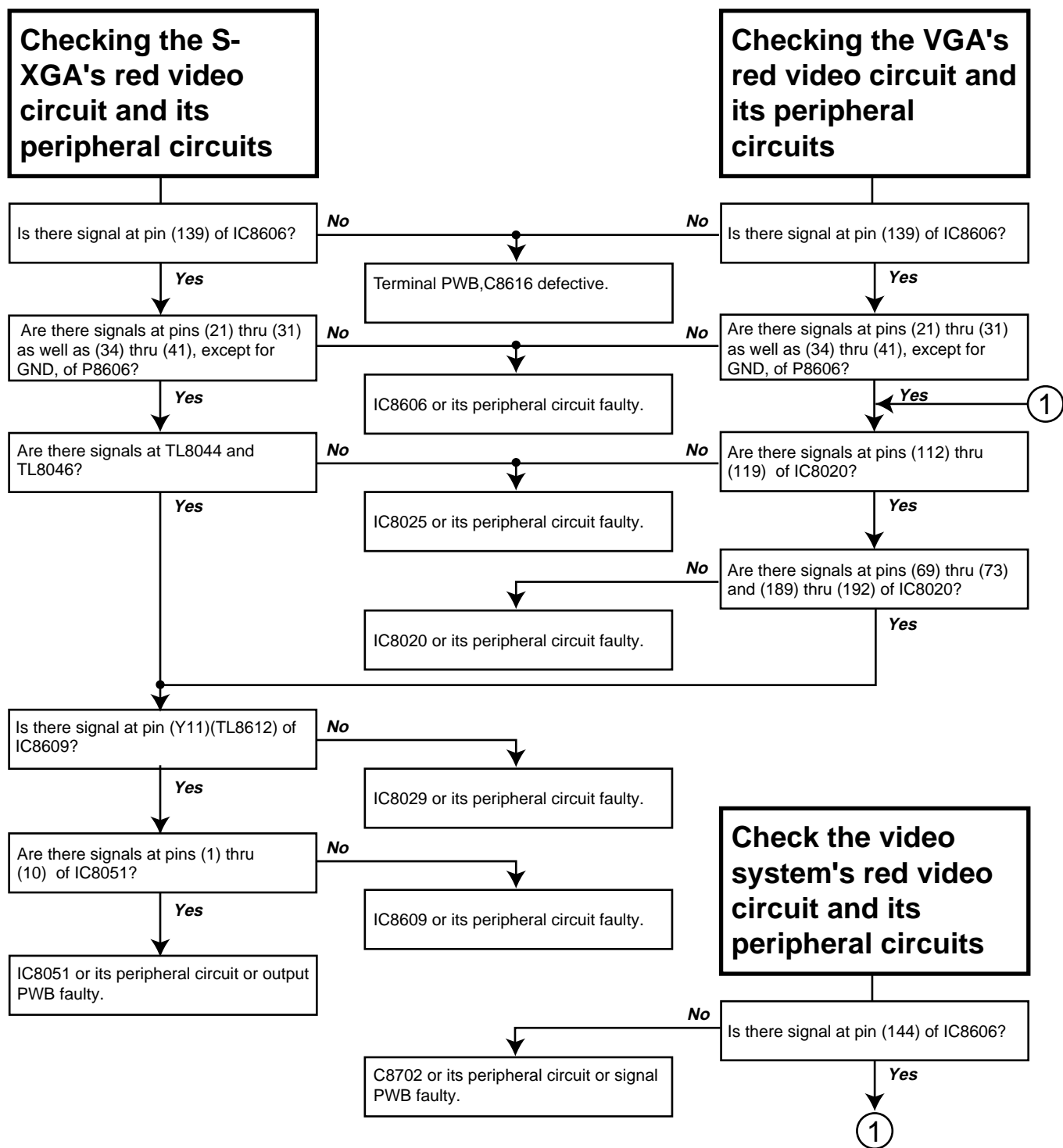
TROUBLE SHOOTING TABLE FOR PC I/F UNIT-3



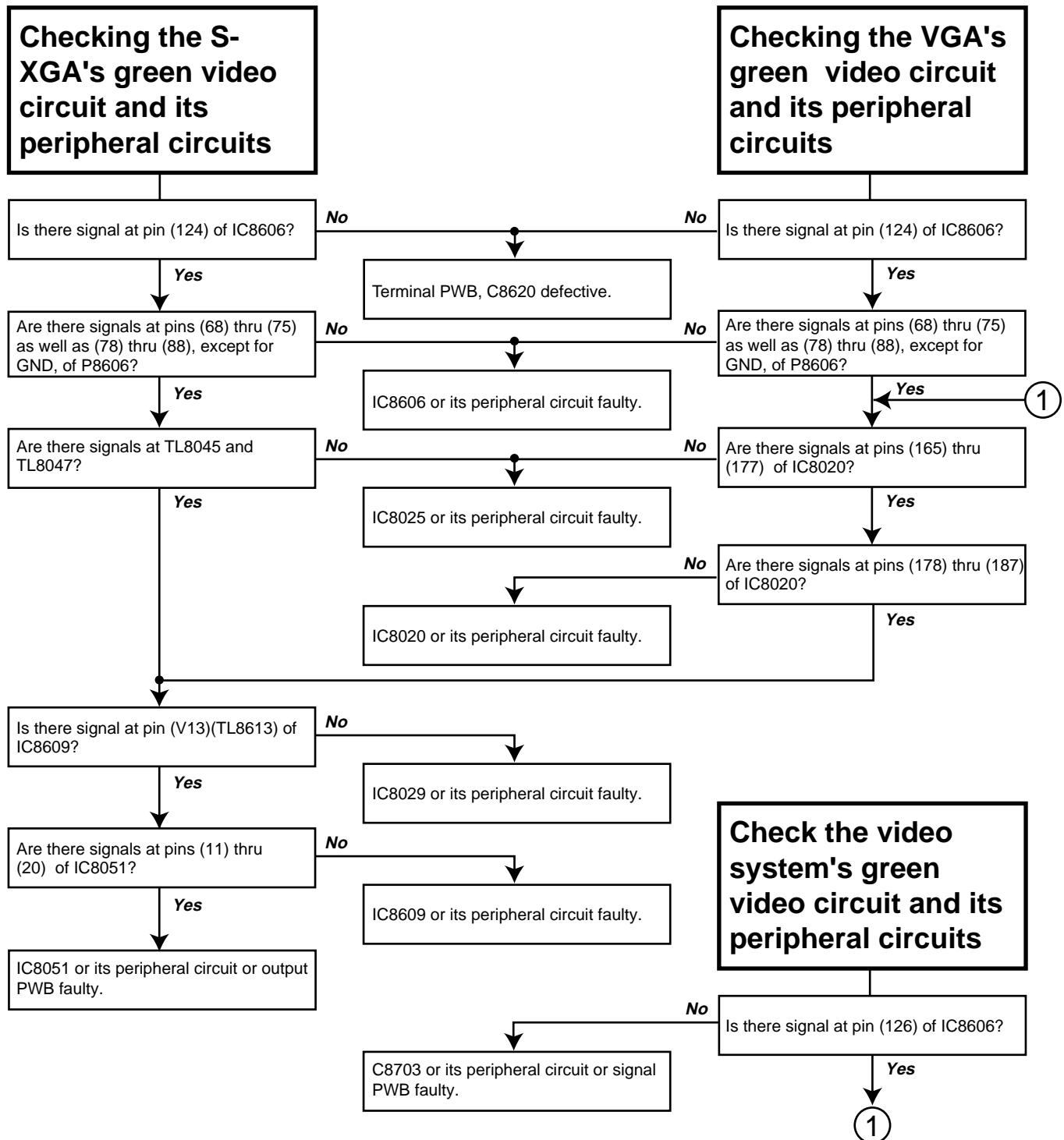
TROUBLE SHOOTING TABLE FOR PC I/F UNIT-4



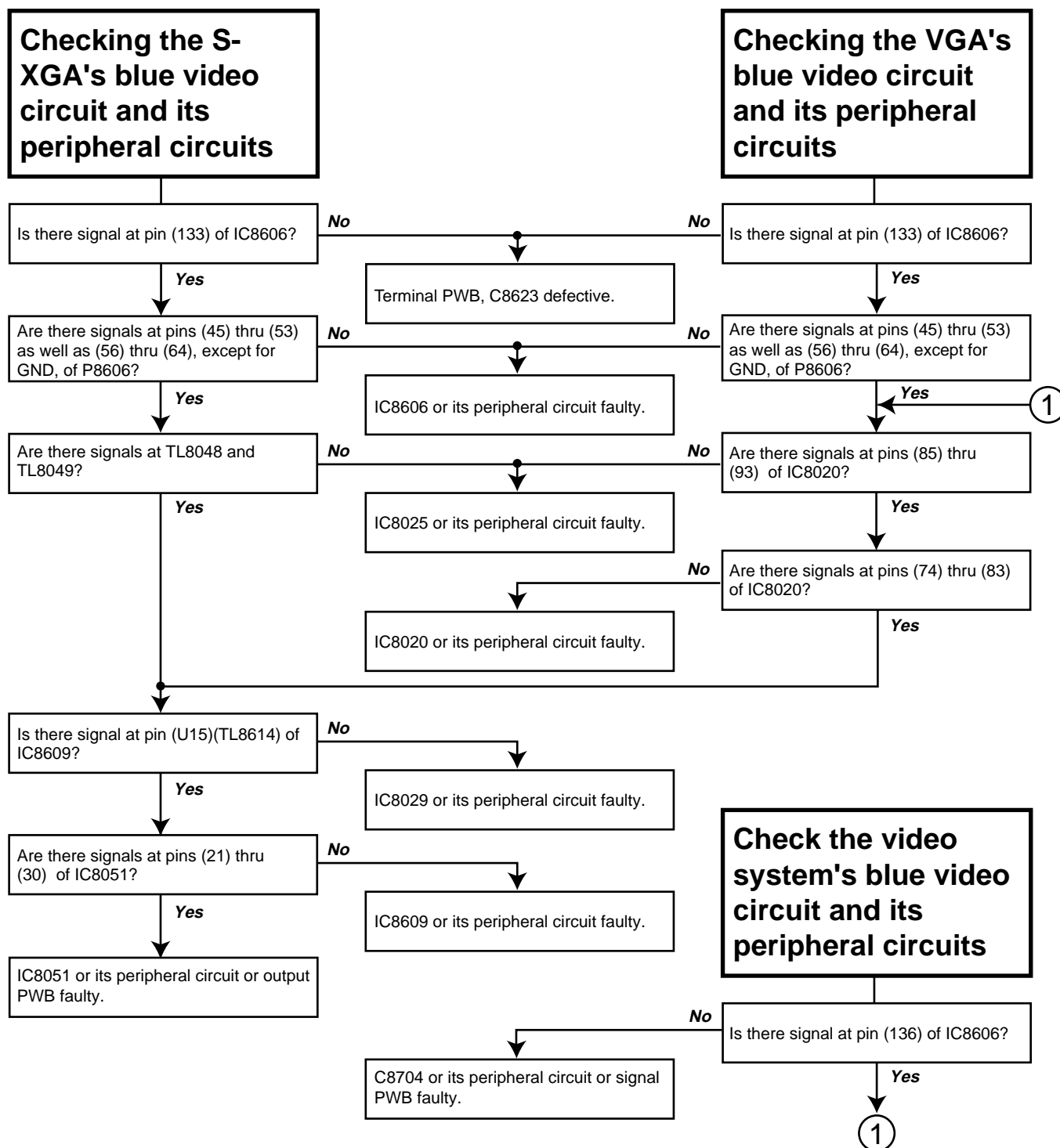
TROUBLE SHOOTING TABLE FOR PC I/F UNIT-5



TROUBLE SHOOTING TABLE FOR PC I/F UNIT-6

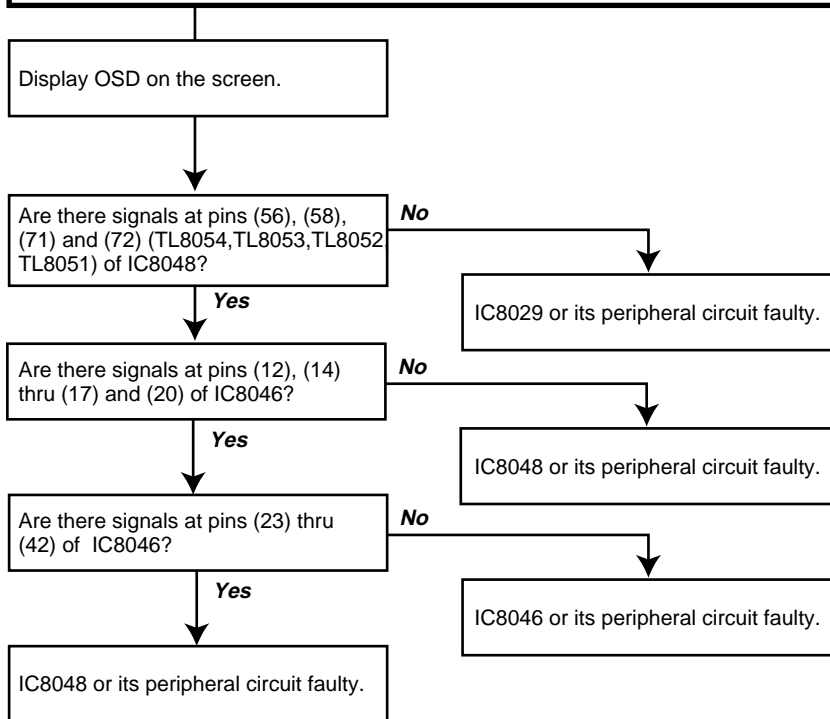


TROUBLE SHOOTING TABLE FOR PC I/F UNIT-7

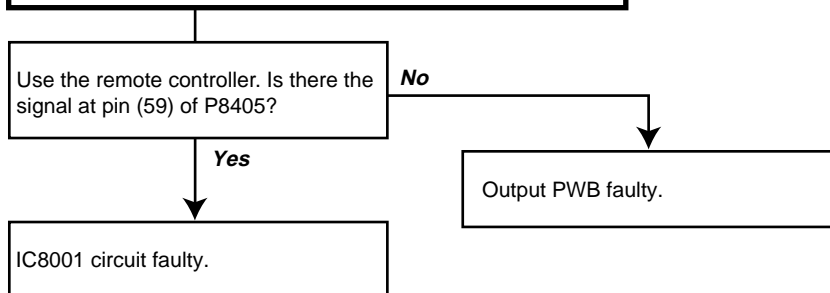


TROUBLE SHOOTING TABLE FOR PC I/F UNIT-8

Checking the OSD circuit and its peripheral circuits



Checking the remote controller



Technische Daten

Produkttyp	LCD Projektor
Modell	XG-C40XE
Videosystem	PAL/SECAM/NTSC 3.58/NTSC 4.43/DTV 480P/DTV 720P/DTV 1080I
Wiedergabeverfahren	LCD-Projektionspaneel × 3, optisches RGB-Verschlußverfahren
LCD-Projektionspaneel	Panelgröße: 22,9 mm (0,9) (13,9 mm [H] × 18,5 mm [B]) Wiedergabe-Verfahren: Durchlässiges TN-Flüssigkristall-Paneel Treiberverfahren: TFT (Dünnschichttransistor) Aktivmatrix-Paneel Anzahl der Bildpunkte: 786.432 Bildpunkte (1.024 [H] × 768 [V])
Objektiv	1–1,3 Zoomobjektiv, F1,7–2,0, f = 33–43 mm
Projektionslampe	200 W Gleichstrom-Lampe
Kontrastverhältnis	250:1
Videoeingangssignal	RCA-Stecker: VIDEO, Gemischtes Video, 1,0 Vs-s, negatives Sync.-Signal, 75 Ω terminiert RCA-Stecker: AUDIO, 0,5 Vrms mehr als 22 kΩ (Stereo)
S-Videoeingangssignal	4-Pin Mini DIN-Stecker Y (Luminanz-Signal): 1,0 Vs-s, negatives Sync.-Signal, 75 Ω terminiert C (Chrominanz-Signal): Stoß 0,286 Vs-s, 75 Ω terminiert
Horizontale Auflösung	560 Fernsehzeilen (Videoeingang), 750 Fernsehzeilen (DTV 720P-Eingang, Punkt für Punkt)
Audioausgang	3 W (monaural)
RGB-Computereingangssignal	15-PIN MINI D-SUB STECKANSCHLUSS (INPUT 1, 2): RGB getrennt/gemischte Sync./Sync. auf Grün-Typ analoger Eingang: 0–0,7 Vs-s, positiv, 75 Ω terminiert STEREO-MINIBUCHSE: AUDIO, 0,5 Vrms, mehr als 22 kΩ (Stereo) HORIZONTALES SYNC.-SIGNAL: TTL-Pegelsignal (positiv/negativ) oder gemischtes Sync.-Signal (nur Macintosh) VERTIKALES SYNC.-SIGNAL: Wie oben
Punktetakt	12–230 MHz
Vertikale Frequenz	43–200 Hz
Horizontale Frequenz	15–126 kHz
Computereingangs-Signal	9-Pin Mini DIN-Steckanschluß (RS-232C-Eingangsanschluß)
Lautsprecheresystem	8 cm (3 ³ / ₃₂) rund
Nennspannung	AC 100–240 V
Eingangsspannung	3,3 A
Nennfrequenz	50/60 Hz
Nennaufnahme	300 W
Betriebstemperatur	+ 5°C bis + 40°C
Lagertemperatur	– 20°C bis + 60°C
Gehäuse	Kunststoff
I/R-Trägerfrequenz	38 kHz
Laserzeiger der Fernbedienung	Wellenlänge: 650 nm / Max. Ausgang: 1 mW / Klasse II Lasergerät
Abmessungen (ca.)	229 × 121 × 310 mm (B × H × T) (nur Hauptgerät) 243,5 × 134 × 358,4 mm (B × H × T) (einschließlich Drehfüße und vorstehende Teile)
Gewicht (ca.)	4,8 kg
Mitgeliefertes Zubehör	Fernbedienung, Zwei Batterien der Größe AA, Netzkabel (1,8 m), RGB-Computerkabel (3m), Computer-Audiokabel (3 m), USB-Maus-Steuerungskabel (1,5 m), DIN-D-Sub RS-232C-Kabel (15 cm), Fernbedienungs-Mausempfänger, Ersatz-Luftfilter, Objektivkappe (angebracht), CD-ROM, Bedienungsanleitung für LCD-Projektor, Kurzreferenz für LCD-Projektor, Software-Anleitung für Sharp Advanced Presentation
Ersatzteile	Lampensatz (Lampe/Käfigmodul) (BQC-XGC40XU/1), Fernbedienung (RRMCG1584CESA), Batterien der Größe AA, Netzkabel (QACCB5024CENA, QACCV4002CEZZ), RGB-Computerkabel (QCNWG0002CEZZ), Computer-Audiokabel (QCNW-4870CEZZ), USB-Maus-Steuerungskabel (QCNWG0007CEPZ), DIN-D-Sub RS-232C-Kabel (QCNW-5288CEZZ), Fernbedienungs-Mausempfänger (RUNTK0673 CEZZ), Luftfilter (PFILD0076CEZZ), Objektivkappe (GCOVH1307CESB), CD-ROM (UDSKA0057CEN1), Bedienungsanleitung für LCD-Projektor (TINS-7533CEZZ), Kurzreferenz für LCD-Projektor (TINS-7534CEZZ, TINS-7535CEZZ, TINS-7536CEZZ), Software-Anleitung für Sharp Advanced Presentation (TINS-7537CEZZ)

Dieser Projektor von SHARP ist mit 3 LCD- (Flüssigkristallanzeige) Projektionspaneels ausgestattet. Diese neuartigen Projektionspaneels enthalten TFTs (Dünnschichttransistoren) mit insgesamt 786.432 Bildpunkten (× RGB). Bei allen technologisch fortschrittlichen, elektronischen Geräten, z. B. Großbild-Fernsehern, Videosystemen bzw. Videokameras, sind bestimmte Toleranzgrenzen für die Funktionen gegeben.

Dieses Gerät hat einige inaktive, innerhalb akzeptierter Toleranzgrenzen liegende TFTs, die als beleuchtete oder als nicht aktive Punkte auf der Bildwand wiedergegeben werden. Dies hat keinen Einfluß auf die Bildqualität und die Lebensdauer des Gerätes.

Änderungen der technischen Daten ohne vorherige Ankündigung vorbehalten.

HINWEIS FÜR DAS WARTUNGSPERSONAL

ACHTUNG: UV-STRAHLUNG

Die Lichtquelle im LCD-Projektor, eine Metall-Halogen-Lampe, gibt eine geringe UV-Strahlung ab.

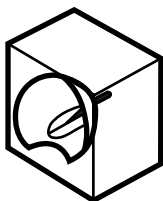
DIREKTE BESTRAHLUNG AUF AUGEN UND HAUT MUSS VERMIEDEN WERDEN.

Zur Gewährleistung der Sicherheit muß folgendes beachtet werden:

1. Bei Arbeiten am Projektor bei eingeschalteter Lampe und abgenommenem oberen Gehäuse muß unbedingt eine Sonnenbrille getragen werden.



2. Die Lampe darf nicht außerhalb des Lampengehäuses eingeschaltet werden.



3. Betrieb für länger als 2 Stunden bei abgenommenem Gehäuse ist nicht zulässig.



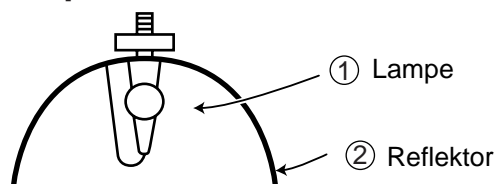
Zur Beachtung bei UV-Strahlung und Mitteldruck-Lampen

1. Vor dem Auswechseln der Lampe muß der Netzstecker gezogen werden.
2. Vor Durchführung von Wartungsarbeiten muß das Gerät eine Stunde abkühlen.
3. Nur mit dem gleichen Lampentyp ersetzen Typ CLMPF0075CE01 oder BQC-XGC40XU/1; Nennleistung 85 V / 200 W.
4. Die Lampe gibt eine geringe UV-Strahlung ab, daher muß direkter Augenkontakt vermieden werden.
5. Die Mitteldruck-Lampe weist ein Explosionsrisiko auf. Daher müssen die nachstehenden Installationsanweisungen beachtet werden, und die Lampe muß vorsichtig behandelt werden.

■ Auswechseln der Lampe

Hinweis:

Da die Lampe während des Betriebs sehr heiß wird, sollte die Lampe erst ausgewechselt werden, nachdem das Gerät mindestens eine Stunde ausgeschaltet war, damit die Lampe ausreichend abkühlen kann. Beim Installieren der neuen Lampe muß darauf geachtet werden, die Lampe selbst (Glaskolben) nicht zu berühren. Vielmehr muß die Lampe am Reflektor ② gehalten werden. [Es darf nur ein Original-Ersatzteil verwendet werden.]



GEFAHR! — Niemals die Spannungsversorgung einschalten, ohne daß eine Lampe vorhanden ist, um elektrische Schläge und Schäden am Gerät zu vermeiden, da der Stabilisator anfangs hohe Spannungen erzeugt.

Da eine geringe UV-Strahlung aus einer Öffnung zwischen der Schachtabdeckung und dem Lampengehäuse austritt, sollte der Objektivdeckel bei Wartungsarbeiten auf die Öffnung gesetzt werden, um die Bestrahlung von Augen und Haut zu vermeiden (Abb. 1).

Hinweis: Besorgen Sie sich einen Objektivdeckel, bevor Sie Arbeiten an einem Modell XG-C40XE durchführen, das keinen Objektivdeckel aufweist.

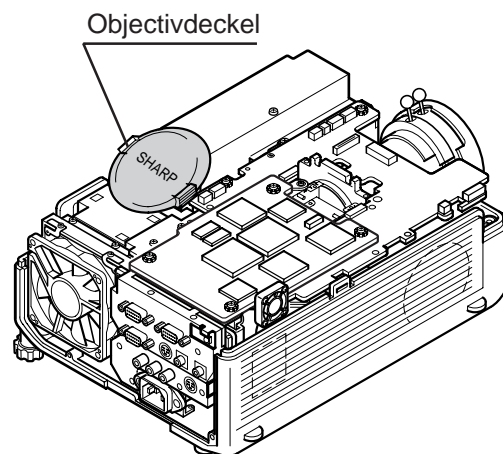
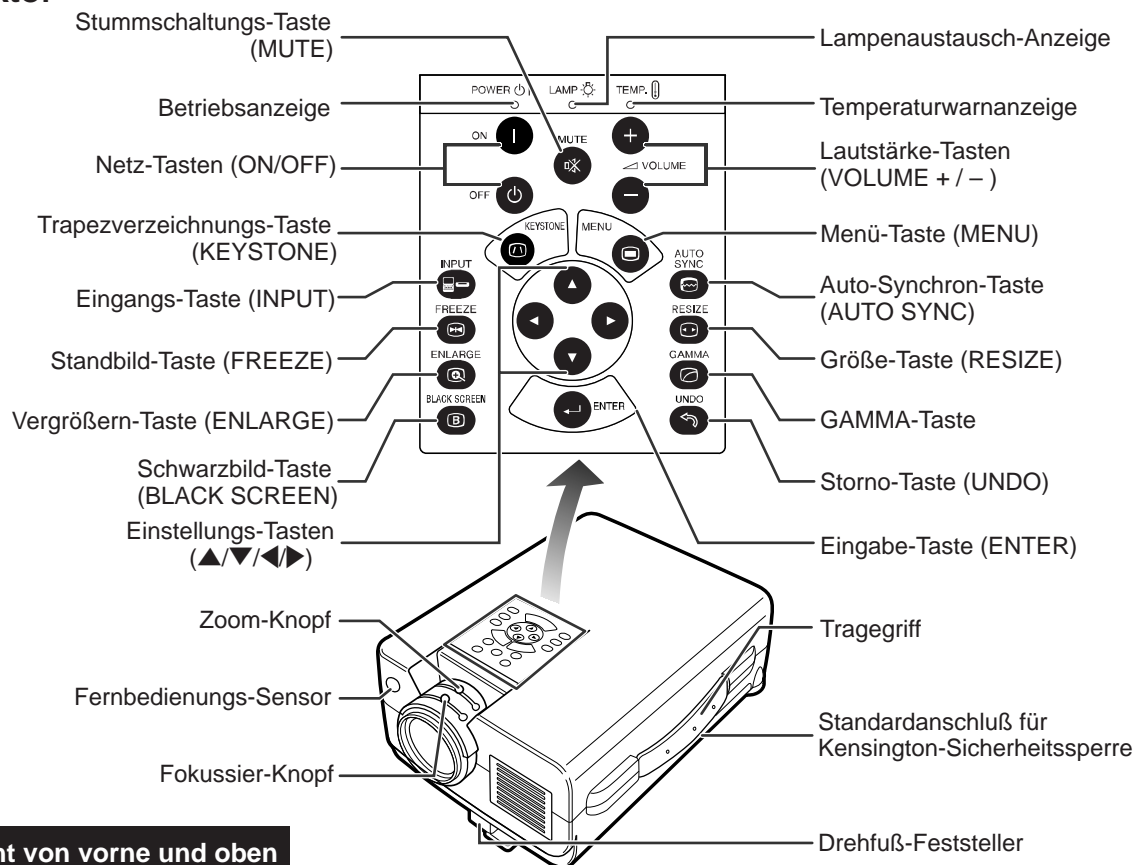


Abbildung 1.

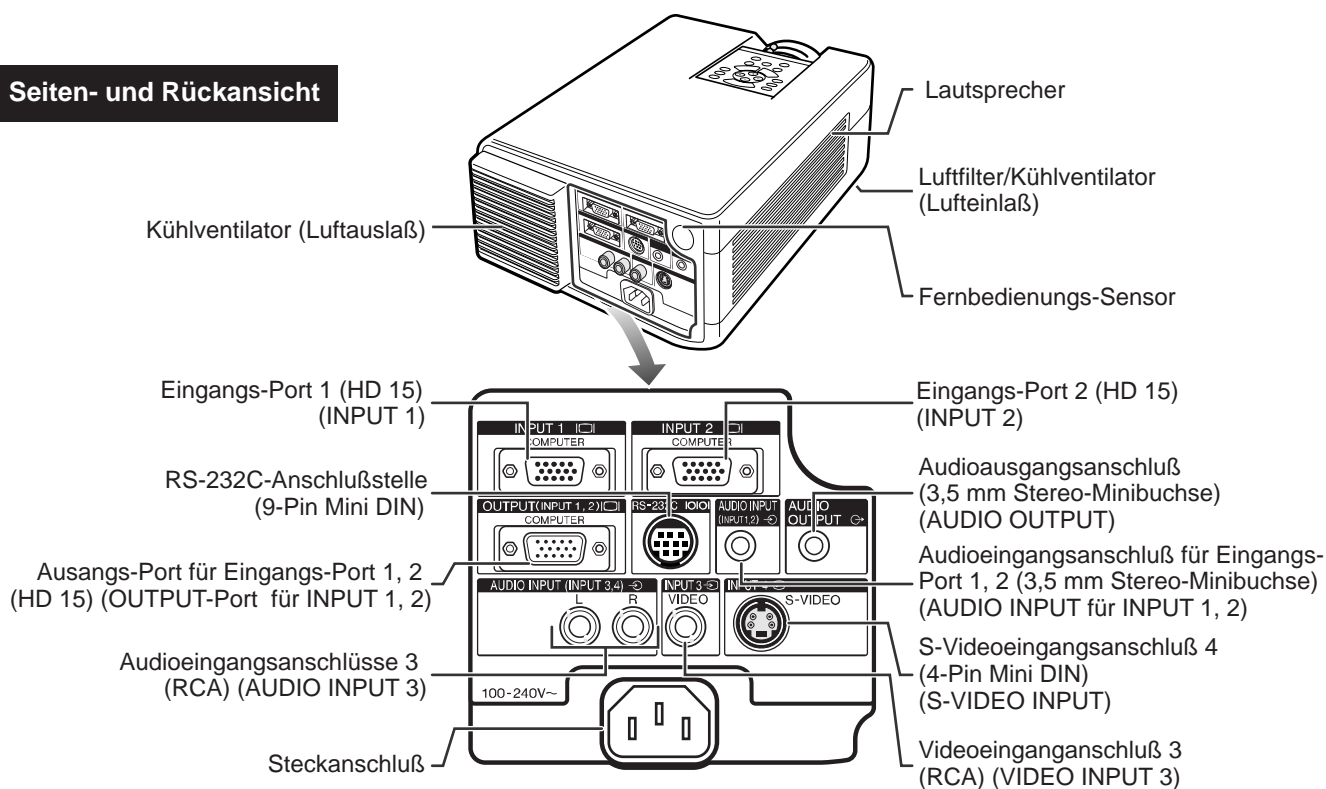
BEDIENUNGSANLEITUNG

Lage der Bedienelemente Projektor



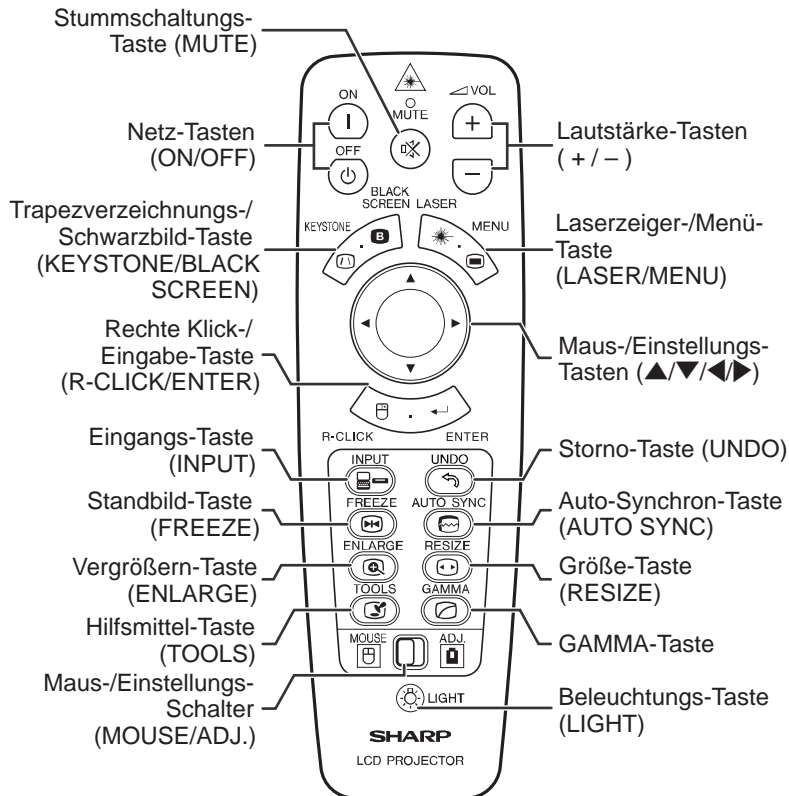
Ansicht von vorne und oben

Seiten- und Rückansicht

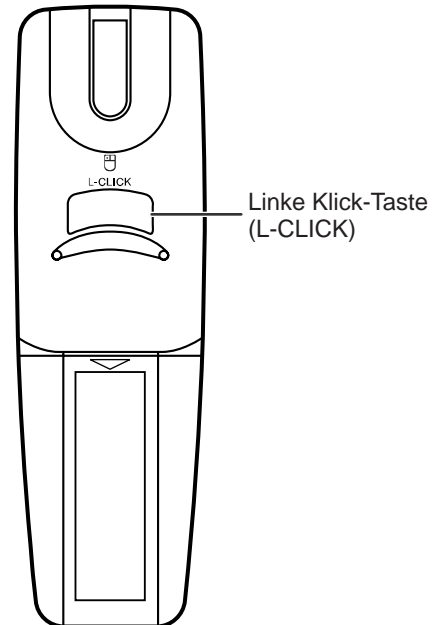


Betrieb mit der drahtlosen Maus-Fernbedienung Fernbedienung

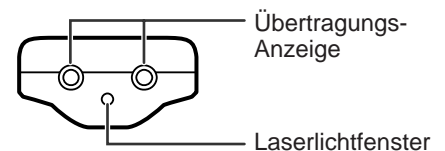
Vorderansicht



Ansicht von hinten

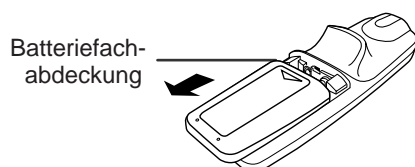


Ansicht von oben

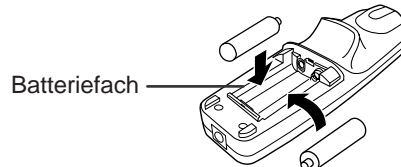


Einsetzen der Batterien

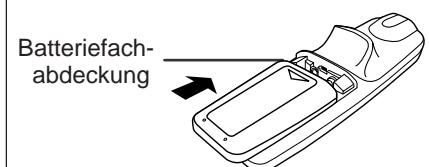
- 1** Zum Entfernen der Batteriefachabdeckung auf die Pfeilmarkierung drücken und in Pfeilrichtung schieben.

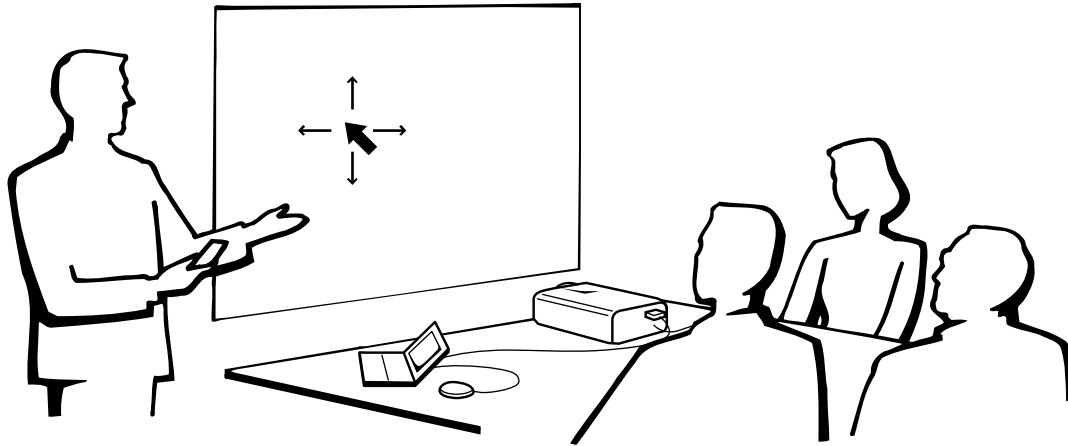


- 2** Zwei Batterien der Größe AA einlegen und sicherstellen, daß die Pole mit der + und – Markierung im Batteriefach übereinstimmen.



- 3** Die seitlichen Vorsprünge der Batteriefachabdeckung in die entsprechenden Schlitz einstecken und auf die Abdeckung drücken, bis sie richtig aufgeschoben ist.



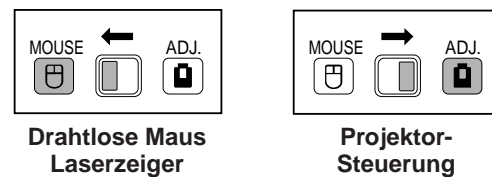


Verwendung der Fernbedienung als eine drahtlose Maus

Die Fernbedienung ist mit den folgenden drei Funktionen ausgestattet:

- Projektor-Steuerung
- Drahtlose Maus
- Laserzeiger

MOUSE/ADJ.-Schalter (Fernbedienung)



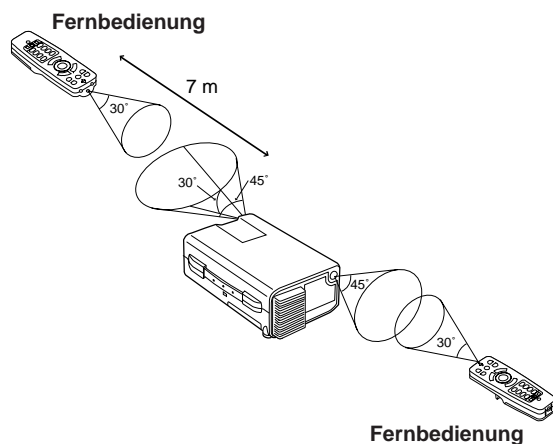
Positionierung der Fernbedienung bzw. des Mausempfängers

- Die Fernbedienung kann zur Steuerung des Projektors innerhalb des unten gezeigten Bereiches verwendet werden.
- Der Fernbedienungs-Mausempfänger kann mit der Fernbedienung zusammen zur Steuerung der Mausfunktion eines angeschlossenen Computers innerhalb des unten gezeigten Bereiches verwendet werden.

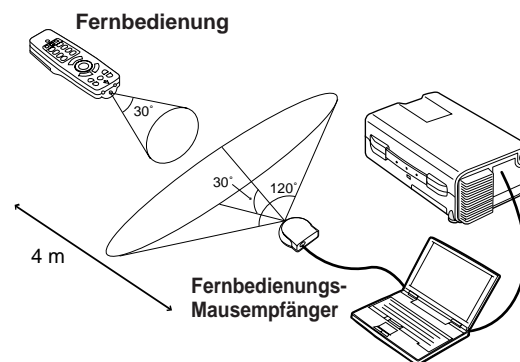
HINWEIS

- Das Signal der Fernbedienung kann für einen einfacheren Betrieb von der Bildwand reflektiert werden. Der wirksame Abstand des Signals kann aufgrund des Materials der Bildwand unterschiedlich sein.

Steuerung des Projektors

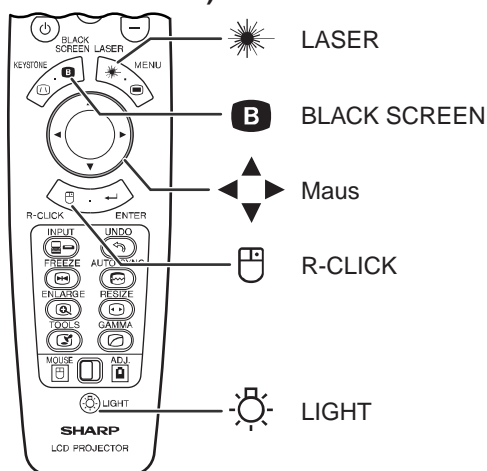


Verwendung der drahtlosen Maus

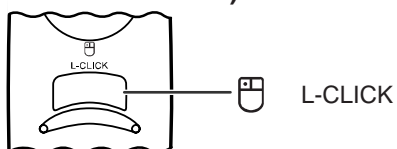


Verwendbare Tasten in der MOUSE-Betriebsart

Fernbedienung (Ansicht von vorne)



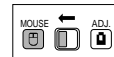
Fernbedienung (Ansicht der Rückseite)



Verwendung als eine drahtlose Maus

Sicherstellen, daß der mitgelieferte Fernbedienungs-Mausempfänger am Computer angeschlossen ist.

(Den **MOUSE/ADJ.**-Schalter auf der Fernbedienung auf die **MOUSE**-Position schieben.)



HINWEIS

- Die drahtlose Maus kann nicht richtig funktionieren, wenn der serielle Port des Computers nicht richtig eingestellt ist. Siehe die Bedienungsanleitung des Computers für Hinweise zur Einstellung bzw. Installation des Maustreibers.
- Für eintastige Systeme kann sowohl **L-CLICK** als auch **R-CLICK** verwendet werden.

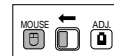
Verwendung der Fernbedienung in einem dunklen Raum

Durch Drücken von **LIGHT** werden die Tasten beleuchtet. Die grünen Tasten bedeuten Mausbetrieb und die roten Tasten Projektoreinstellungen.

Tastenbezeichnung	Position des MOUSE/ADJ.-Schalters	
	MOUSE (M)	ADJ. (A)
LASER/MENU	LASER (GRÜN)	MENU (ROT)
BLACK SCREEN/KEystone	BLACK SCREEN (GRÜN)	KEystone (ROT)
R-CLICK/ENTER	R-CLICK (GRÜN)	ENTER (ROT)
▲/▼/◀/▶	▲/▼/◀/▶ (LEUCHTET NICHT)	▲/▼/◀/▶ (LEUCHTET NICHT)
L-CLICK	JA (LEUCHTET NICHT)	—
ON/OFF	JA (ROT)	
VOLUME + / -		
MUTE		
INPUT		
UNDO		
FREEZE		
AUTO SYNC		
ENLARGE		
RESIZE		
TOOLS		
GAMMA		

Verwendung als ein Laserzeiger

(Den **MOUSE/ADJ.**-Schalter auf der Fernbedienung auf die **MOUSE**-Position schieben.)



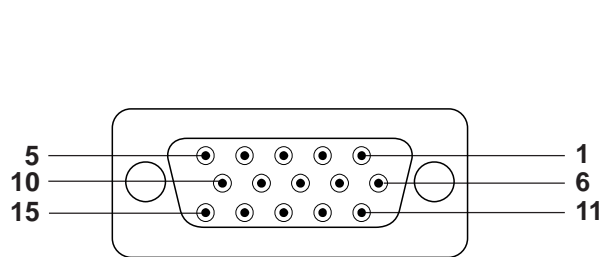
LASER (☼) zum Aktivieren des Laserzeigers drücken. Beim Loslassen der Taste erlischt das Licht automatisch.

HINWEIS

- Aus Sicherheitsgründen erlischt der Laserzeiger automatisch nach einer Minute fortlaufender Verwendung. Zum Einschalten **LASER** (☼) loslassen und erneut drücken.

Pinbelegung

Analoger Computer-Signaleingang 1 und 2: 15-Pin Mini-D-Sub-Buchse



Computereingang

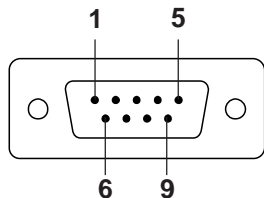
Analog

- | | |
|---------------------------------------|-------------------------------|
| 1. Videoeingang (rot) | 9. Nicht belegt |
| 2. Videoeingang (Grün/Sync. auf Grün) | 10. MASSE |
| 3. Videoeingang (blau) | 11. MASSE |
| 4. Reserveeingang 1 | 12. Bi-direktionale Daten |
| 5. Gemischtes Sync.-Signal | 13. Horizontales Sync.-Signal |
| 6. Erdung (rot) | 14. Vertikales Sync.-Signal |
| 7. Erdung (Grün/Sync. auf Grün) | 15. Daten-Zeitgeber |
| 8. Erdung (blau) | |

Komponenten-Eingang

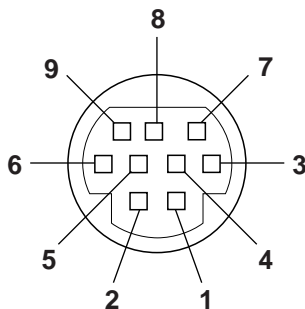
- | | |
|-------------------------------------|------------------|
| 1. P _R (C _R) | 9. Nicht belegt |
| 2. Y | 10. Nicht belegt |
| 3. P _B | 11. Nicht belegt |
| 4. Nicht belegt | 12. Nicht belegt |
| 5. Nicht belegt | 13. Nicht belegt |
| 6. Erdung (P _R) | 14. Nicht belegt |
| 7. Erdung (Y) | 15. Nicht belegt |
| 8. Erdung (P _B) | |

RS-232C-Anschlußstelle: 9-Pin D-Sub-Stecker des DIN-D-Sub RS-232C-Kabels



Pin Nr.	Signal	Name	E/A	Referenz
1	CD			Nicht angeschlossen
2	RD	Daten empfangen	Eingang	An internen Schaltkreis angeschlossen
3	SD	Daten senden	Ausgang	An internen Schaltkreis angeschlossen
4	ER			Nicht angeschlossen
5	SG	Signalerdung		An internen Schaltkreis angeschlossen
6	DR	Datensatz bereit	Ausgang	Nicht angeschlossen
7	RS	Anforderung zum Senden	Ausgang	An internen Schaltkreis angeschlossen
8	CS	Bereit zum Senden	Eingang	An internen Schaltkreis angeschlossen
9	CI			Nicht angeschlossen

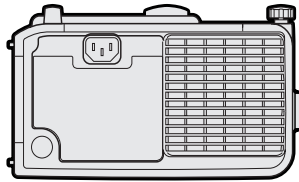
RS-232C-Anschlußstelle: 9-Pin Mini DIN-Steckanschluß



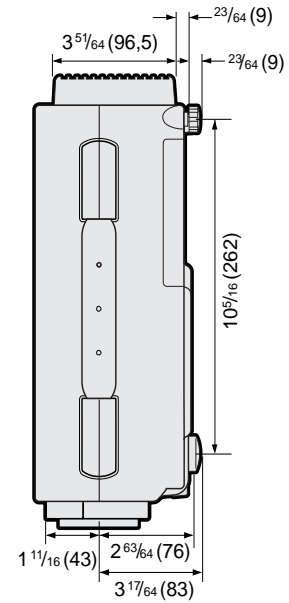
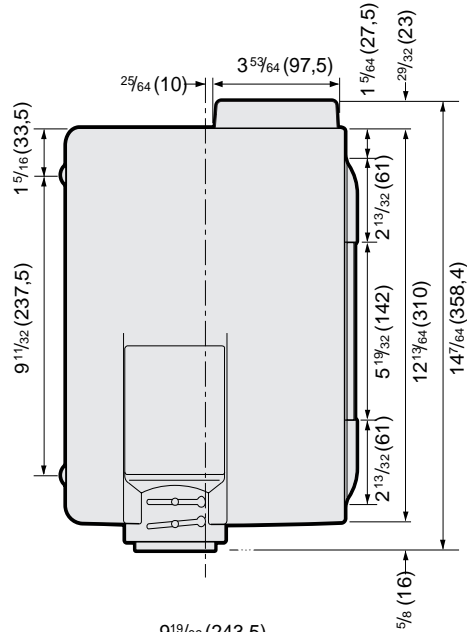
Pin Nr.	Signal	Name	E/A	Referenz
1	VCC	+ 3,3 V (Reserviert)	Ausgang	Nicht angeschlossen
2	RD	Daten empfangen	Eingang	An internen Schaltkreis angeschlossen
3	SD	Daten senden	Ausgang	An internen Schaltkreis angeschlossen
4	EXIR	Detektor für Zusatzgerät (Reserviert)	Eingang	Nicht angeschlossen
5	SG	Signalerdung		An internen Schaltkreis angeschlossen
6	ERX	IR Empfangssignal von IR-Verstärker (Reserviert)	Eingang	Nicht angeschlossen
7	RS	Aufforderung zum Senden	Ausgang	An internen Schaltkreis angeschlossen
8	CS	Bereit zum Senden	Eingang	An internen Schaltkreis angeschlossen
9	ETX	IR-Signalübertragung (Reserviert)	Ausgang	Nicht angeschlossen

Abmessungen

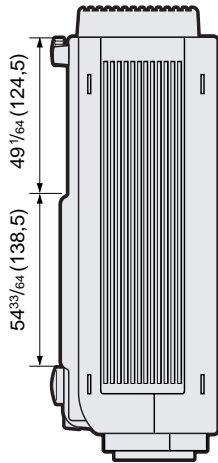
Ansicht der Rückseite



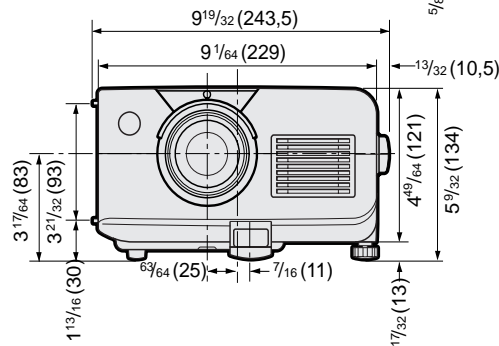
Ansicht von oben



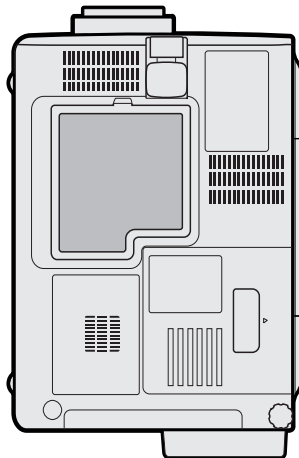
Seitenansicht



Ansicht von vorne



Ansicht von unten

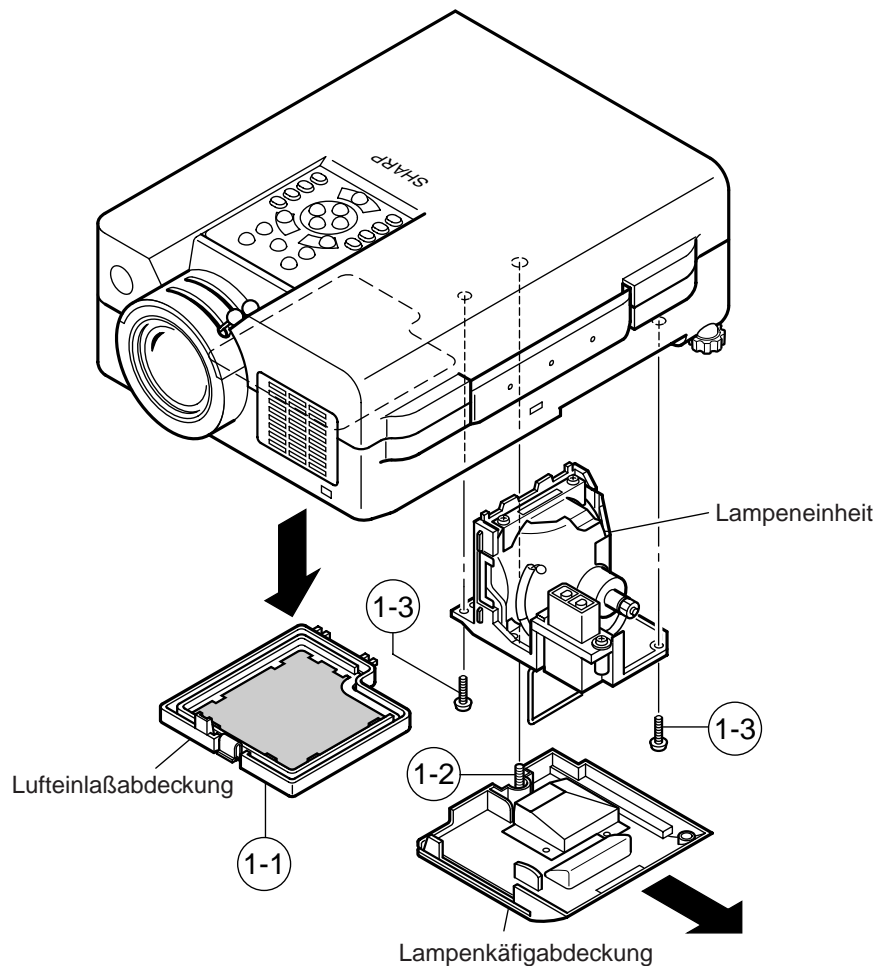


Einheit: Zoll(mm)

ENTFERNEN DER HAUPTTEILE

1. Entfernen der Lufteinlaßabdeckung und der Lampeneinheit

- 1-1. Die Lufteinlaßabdeckung abnehmen
- 1-2. Die Schraube der Lampenkäfigabdeckung losdrehen und dann die Lampenkäfigabdeckung in Pfeilrichtung (zum Körper) herausziehen.
- 1-3. Die beiden Sicherungsschrauben der Lampeneinheit losdrehen und die Lampeneinheit abnehmen.

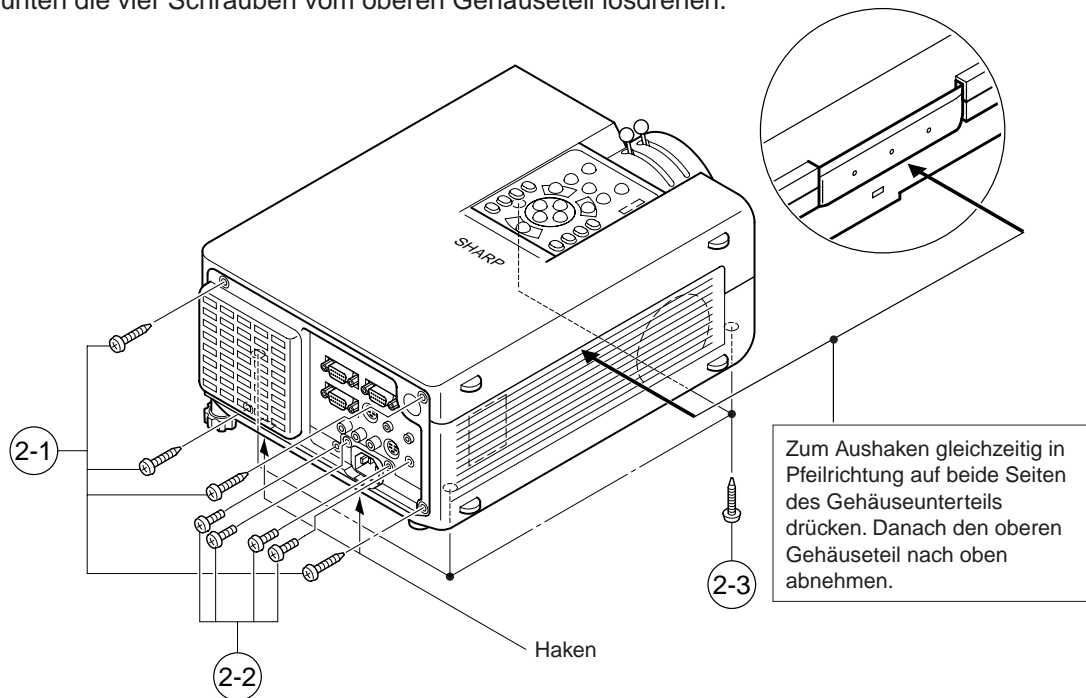


Hinweis:

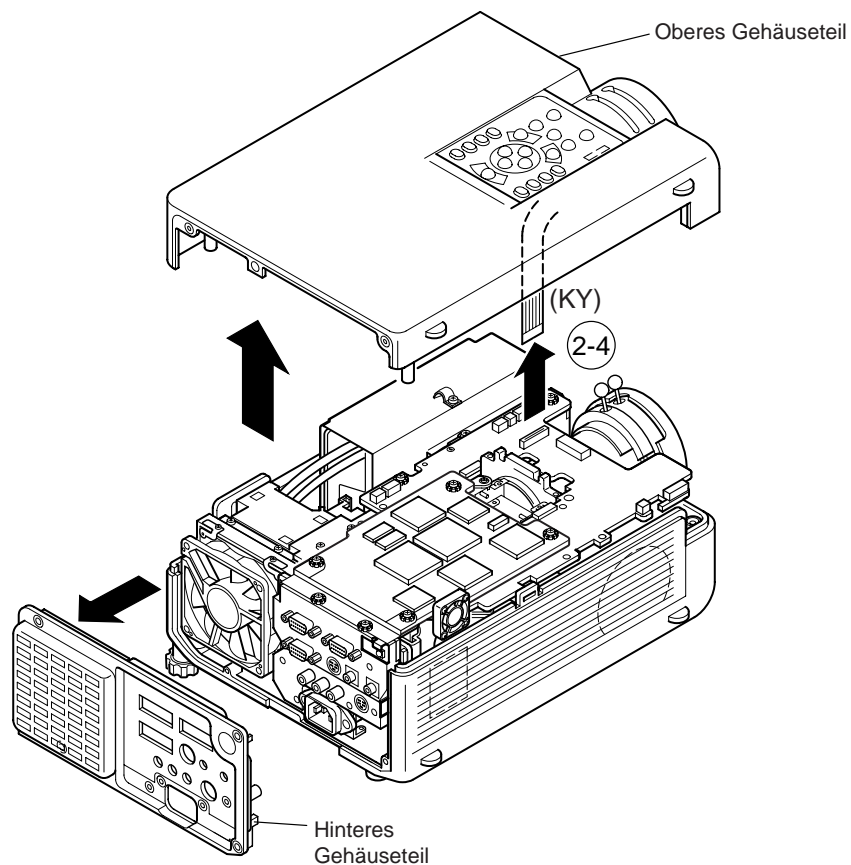
Beim Lampenaustausch sicherstellen, daß der Anschluß und die Schnappklemmfeder (sowie die anderen Metallteile) der Lampe mehr als 8 mm Abstand voneinander haben.

2. Entfernen des oberen und hinteren Gehäuseteils

- 2-1. Die vier Schrauben vom hinteren Gehäuseteil losdrehen.
- 2-2. Die vier Schrauben der Anschlußplatte vom hinteren Gehäuseteil losdrehen. Das hintere Gehäuseteil von unten aushängen und abnehmen.
- 2-3. Von unten die vier Schrauben vom oberen Gehäuseteil losdrehen.

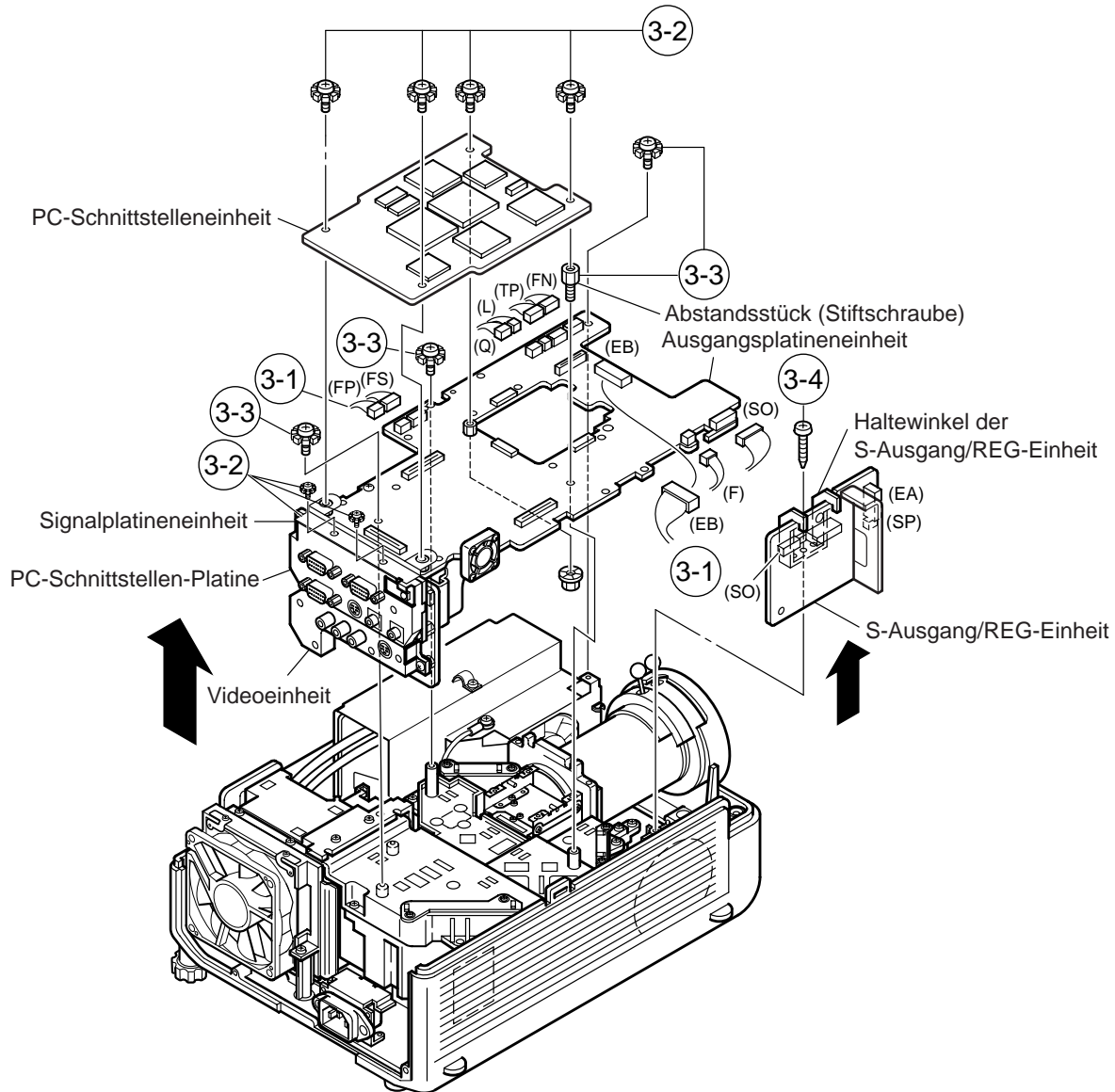


- 2-4. Das obere Gehäuseteil langsam anheben und den Platinen-Netzschalterstecker (KY) abziehen und schließlich das Oberteil abnehmen.



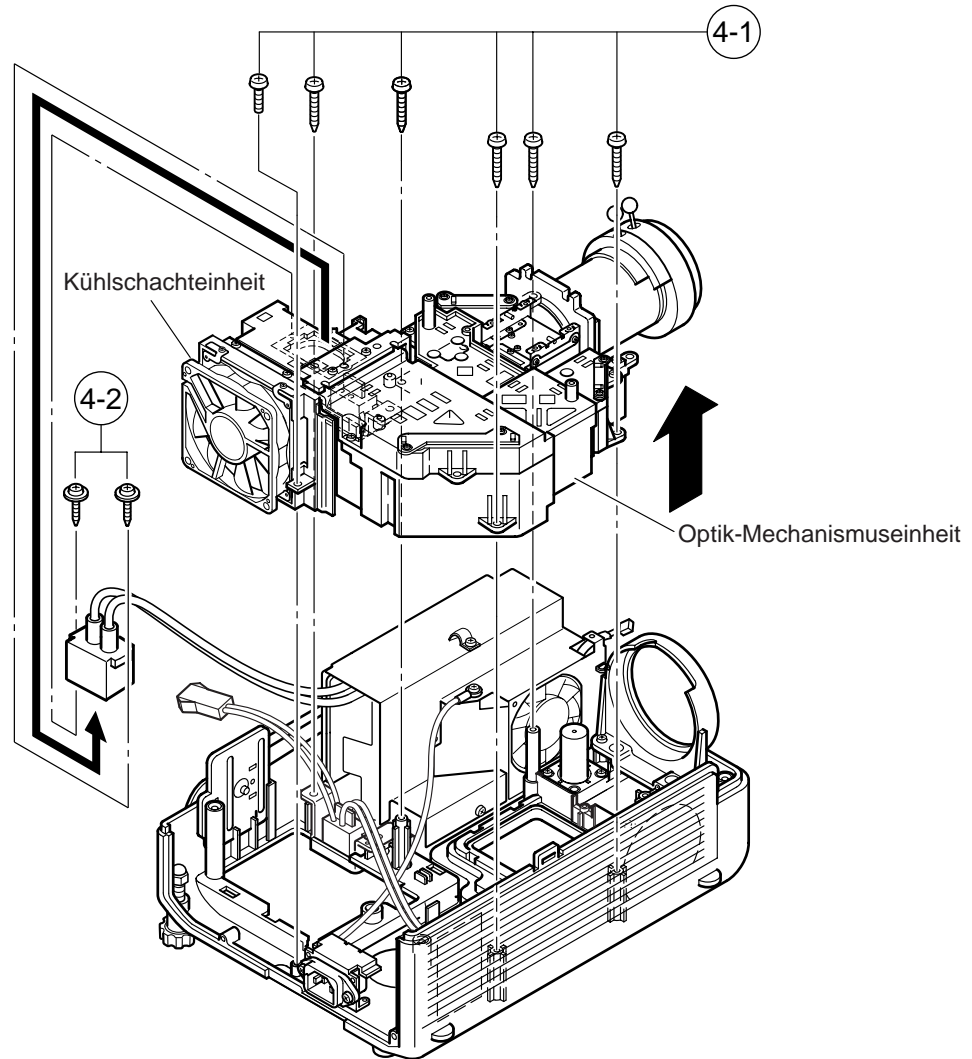
3. Entfernen der Platinen

- 3-1. Die Stecker von der Ausgabe-Einheit abziehen.
- 3-2. Die vier Befestigungsschrauben der PC-Schnittstelle-Einheit losdrehen.
Die beiden Schrauben und den Erdungsschirm entfernen, und die PC-Schnittstelle-Einheit abnehmen.
- 3-3. Das Abstandsstück (Stiftschraube) und die drei Schrauben der Ausgabe-Einheit entfernen. Die Ausgabe-Einheit anheben, dann zusammen mit der Signal-Einheit herausnehmen.
- 3-4. Die Schraube des Haltewinkels der S-Ausgang/REG-Einheit losdrehen und die Einheit abnehmen.



4. Entfernen der Optik-Mechanismuseinheit

- 4-1. Die sechs Schrauben der Optik-Mechanismuseinheit losdrehen und dann die Einheit herausnehmen.
- 4-2. Die beiden Schrauben des Lampenfassungshalters losdrehen und den Halter abnehmen.



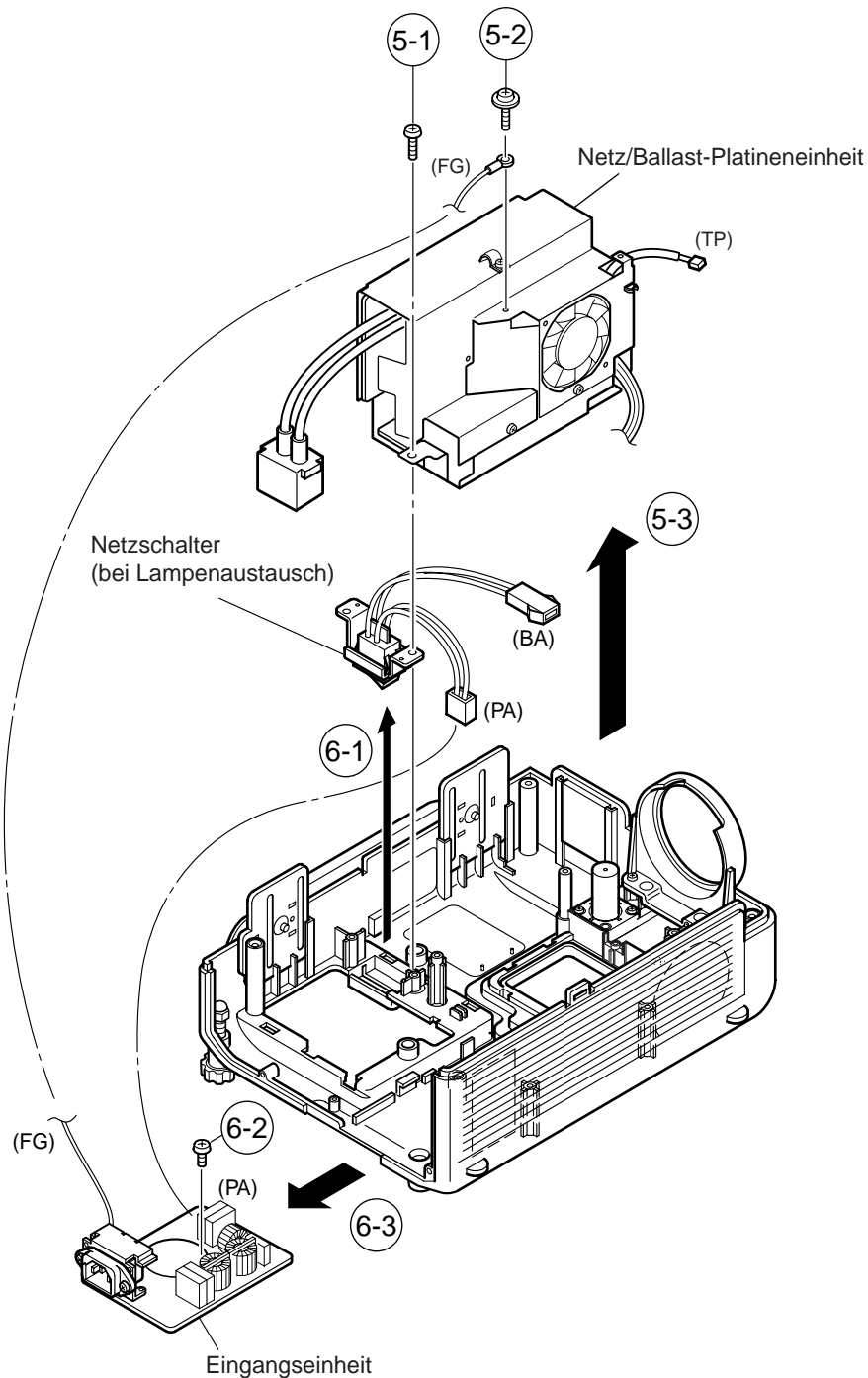
5. Entfernen der Netz/Ballast-Platineneinheit

- 5-1. Die Schraube der Netz/Ballast-Platineneinheit losdrehen.
- 5-2. Die Schraube des Anschlußdrahts (FG) losdrehen.
- 5-3. Die Netz/Ballast-Platineneinheit anheben und herausziehen.

6. Entfernen der Ballast-Platineneinheit und der Eingangseinheit

- 6-1. Den Stecker (PA) von der Eingangseinheit abziehen und den Netzschalter herausnehmen.
- 6-2. Die Sicherungsschraube der Eingabe-Einheit entfernen.
- 6-3. Die Eingangseinheit zum Körper herausziehen.

Hinweis: Vor dem Einbau der Lampenkäfigabdeckung sicherstellen, daß der Netzschalter in Position "○" (AUS) ist.

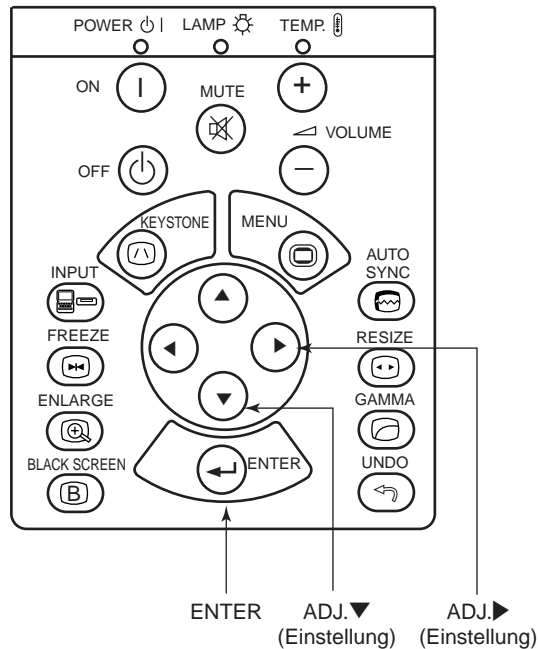


NULLSTELLUNG DES LAMPEN-BETRIEBSSTUNDENZÄHLERS (GESAMTZEIT)

Nachdem die Lampe ausgewechselt wurde, ist die aufgelaufene Gesamtzeit des Lampen-Betriebsstundenzählers in folgenden Schritten nullzustellen.

Nullstellungsverfahren

1. Während die Tasten "ENTER", "ADJ.▼" und "ADJ.►" gleichzeitig gedrückt gehalten werden, den Hauptgeräteschalter aktivieren (befindet sich über dem Netzeingang).
2. Der Wert des Lampen-Betriebsstundenzählers ist nun auf Null zurückgestellt. "000H" erscheint auf dem Bildschirm.



Lampe



Die Lampe dieses Projektors kann abhängig von der Betriebsumgebung etwa 2,000 Stunden verwendet werden. Es wird empfohlen, die Lampe nach 1,900 Betriebsstunden oder wenn eine sichtbare Verschlechterung der Bild- und Farbqualität auftritt, auszutauschen. Die Verwendungszeit der Lampe kann mit der Anzeige auf der Bildwand überprüft werden.

VORSICHT

- Gefährliche Lichtstrahlen. Niemals beim Betrieb des Projektors in die Öffnung oder das Objektiv schauen.

HINWEIS

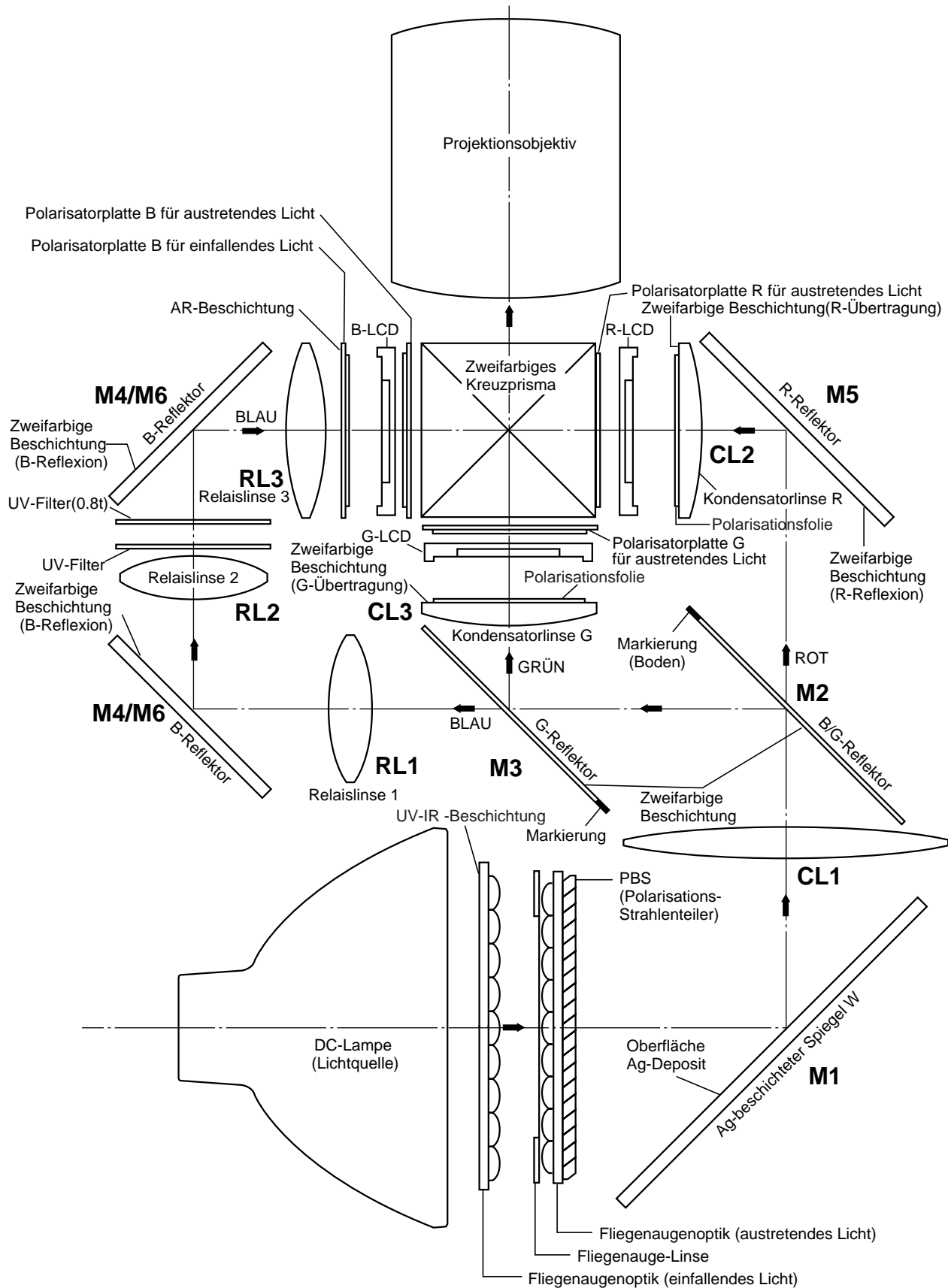
- Wenn die Betriebsumgebung große Unterschiede aufweist, kann die Verwendungsdauer der Lampe weniger als 2,000 Stunden betragen.

Symptom	Problem	Abhilfe
Die Lampenaustausch-Anzeige leuchtet rot auf und „LAMP.“ und „  “ blinken gelb in der unteren linken Ecke der Bildwand.	<ul style="list-style-type: none">• Die Lampe wurde über 1,900 Stunden verwendet.	<ul style="list-style-type: none">• Einen Austauschlampen-Satz (Lampe/Käfigmodul) des gegenwärtigen Typs BQC-XGC40XU/1 beim nächsten von Sharp autorisierten Händler für LCD-Projektoren oder dem Kundendienst kaufen.• Die Lampe austauschen. Sie können die Lampe auch bei einem von Sharp autorisierten Händler für LCD-Projektoren oder dem Kundendienst austauschen lassen.
Eine sichtbare Verschlechterung der Bild- und Farbqualität tritt auf.		
Das Gerät wird automatisch ausgeschaltet und der Projektor auf Betriebsbereitschaft geschaltet.	<ul style="list-style-type: none">• Die Lampe wurde über 2,000 Stunden verwendet.	
„LAMP.“ und „  “ blinken rot in der unteren linken Ecke der Bildwand und das Gerät wird automatisch ausgeschaltet.		

ÜBERSICHT DER OPTIKEINHEIT

Übersicht des optischen Systems

Hinweis: Anordnung der Bauteile im optischen System



EINSTELLUNG VON KONVERGENZ UND BRENNPUNKT

- Bei eingeschaltetem Gerät und entferntem oberem Gehäuseteil mit der Konvergenz- und Brennpunkteinstellung beginnen. Die Bildeinstellung erfolgt mit der Fernbedienung. Es sind die folgenden Bedienschritte auszuführen:

1. Fokussieren des Projektionsobjektivs

(A) Auswechseln aller 3 Flüssigkristallanzeigen (LCD)

1. Vor dem Auswechseln aller 3 Flüssigkristallanzeigen ist ein Bild auf die Leinwand zu projizieren und scharf einzustellen.
2. Die Flüssigkristallanzeigen durch neue ersetzen. Solange der Brennpunkt jedoch nicht vollständig eingestellt ist, sicherstellen, daß der Abstand zwischen dem Projektor und der Leinwand nicht verändert wird. Der Fokusserring des Projektionsobjektivs und der Zoomring dürfen ebenfalls nicht verändert werden.

Hinweis:

Wenn der Fokusserring mit einem unterschiedlichen Positionsverhältnis nachgestellt wird, wird das Verhältnis zwischen der Projektionsdistanz und der Leinwandgröße beeinflusst. Mit anderen Worten gesagt, kann ein Kurzstanz-Bild (z.B. 40 mm Weitwinkel) außerhalb des Fokusbereichs liegen, während eine Zoomaufnahme (z.B. 300 Teleobjektiv) ebenfalls außerhalb des zulässigen Bereichs liegt.

(B) Auswechseln von nur 1 oder 2 Anzeigen

1. Wenn nach dem Auswechseln von einer oder zwei LCD-Anzeigen eine Brennpunkteinstellung vorgenommen wird, ein Bild auf die Leinwand projizieren, dann Fokusserring verstellen, um die nicht ausgewechselte LCD-Anzeige in den Brennpunkt zu bringen.
2. Solange der Brennpunkt für beide neuen LCD-Anzeigen jedoch noch nicht vollständig abgeschlossen ist, unbedingt darauf achten, daß der Abstand zwischen dem Gerät und der Leinwand nicht verändert wird. Der Fokusserring des Projektionsobjektivs und der Zoomring dürfen ebenfalls nicht verändert werden.
3. Wenn die Projektionsdistanz geändert oder das Projektionsobjektiv verstellt worden ist, sind die obigen Schritte 1 und 2 zu wiederholen.

2. Brennpunkteinstellung

(A) Einstellen der G-LCD-Anzeige (Diese Einstellung nur auf weißer Leinwand vornehmen.)

1. Einstellung in θX - und Z-Richtung
Die Sicherungsschraube "a" lockern und einen exzentrischen Schraubendreher in die Kerbe und Bohrung "a" einführen. Den Schraubendreher so lange drehen, bis sich die obere Hälfte, die Mitte und die untere Hälfte der Leinwand im Brennpunkt befinden. Bei dieser Brennpunkteinstellung von oben nach unten die Sicherungsschrauben "b" und "c" anziehen, um die θY -Richtung zu fixieren. Zunächst die linke und rechte Hälfte ausbalancieren und dann die Genauigkeit während der folgenden Einstellung 2 verbessern.
2. Einstellung in θY -Richtung
Die Sicherungsschraube "a" vorübergehend festziehen und die Sicherungsschrauben "b" und "c" lockern. Den exzentrischen Schraubendreher in die Kerbe und Bohrung "c" einführen, um die Einstellung in θY -Richtung auf der oberen Leinwandhälfte auszuführen. Den exzentrischen Schraubendreher in die Kerbe und Bohrung "b" einführen, um die Einstellung in θY -Richtung auf der unteren Leinwandhälfte auszuführen.
3. Die obigen Schritte 1 und 2 wiederholen, um den Brennpunkt feineinzustellen. Schließlich sämtliche Sicherungsschrauben gut festziehen.

Hinweis:

- ① Mit der Brennpunkteinstellung vorsichtig voranschreiten, da die Einstellpositionen in gegenseitigem Bezug zueinander stehen.
- ② Bei der Einstellung der Konvergenz und des Brennpunkts darauf achten, daß das Zoomobjektiv und die Einstellringe bis zur Beendigung aller Einstellungen nicht verstellt werden.

(B) Einstellung der B-LCD-Anzeige (ebenso bei der R-LCD-Anzeige)

1. Das gleiche Verfahren wie bei der Brennpunkteinstellung der G-LCD-Anzeige vornehmen. Es wird darauf hingewiesen, daß der Einstellbereich in Z-Richtung klein ist. Sollten die Konvergenzwerte zwischen der B-LCD-Anzeige und der G-LCD-Anzeige zu unterschiedlich sein, die Konvergenz zuerst grobeinstellen und dann die Brennpunkteinstellung vornehmen.

3. Einstellung der Konvergenz

- Für diese Einstellung ist ein Kreuzschraffier-Muster zu benutzen.
Die Einstellung ist ausschließlich für die G-LCD und die zutreffende Farbe.

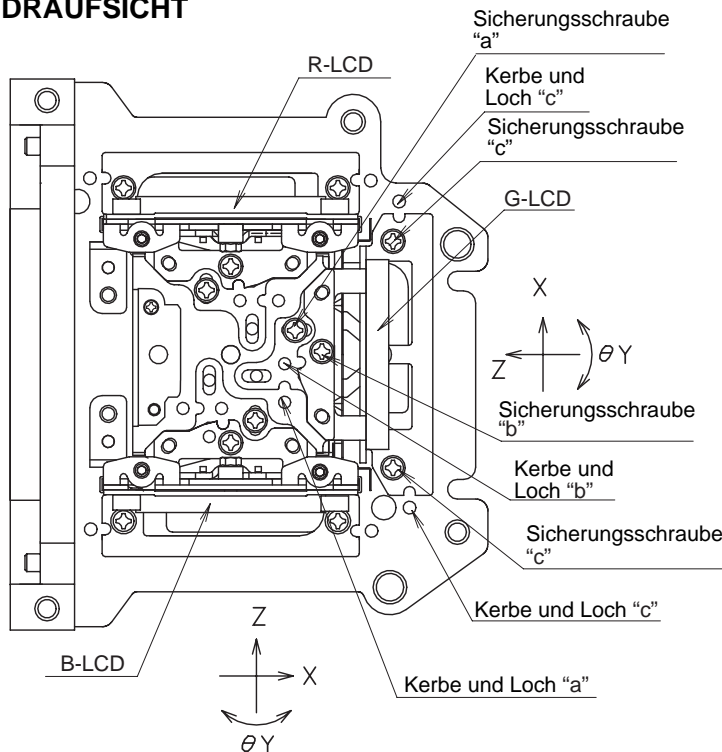
1. Die Konvergenz-Sicherungsschraube "d" lockern.
2. Einstellung in Y- und θZ -Richtung
Den Innensechskantschlüssel im Y- und θZ -Richtung-Einstellbereich einsetzen.
3. Einstellung in X-Richtung
Einen Einstellschlüssel mit Exzenternocken in den X-Richtung-Einstellbereich einsetzen.
4. Mit der G-LCD-Anzeige als Referenz die R-LCD- und die B-LCD-Anzeige einstellen.
5. Zum Schluß die Konvergenz-Sicherungsschraube "d" sicher festziehen.

Hinweis:

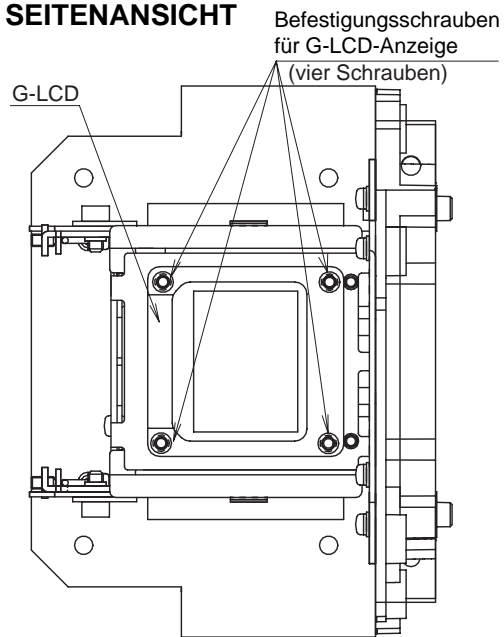
- ① Der exzentrische Nocken wird für die Einstellung der Konvergenz benutzt. Das bedeutet daß sich der Nocken dreht und die Linearbewegung nicht immer gleichmäßig verläuft.
- ② Dieses Modell ist nicht mit einem LCD-Bildeinstellmechanismus ausgerüstet. Der Grund liegt in der Benutzung des zweifarbiges Prismas für die Bildformierung. Wenn alle LCD-Anzeigen optimal fokussiert sind, sind die Bilder fast vollständig konvergiert.

Konvergenz- und Brennpunkt-Einstellmechanismus

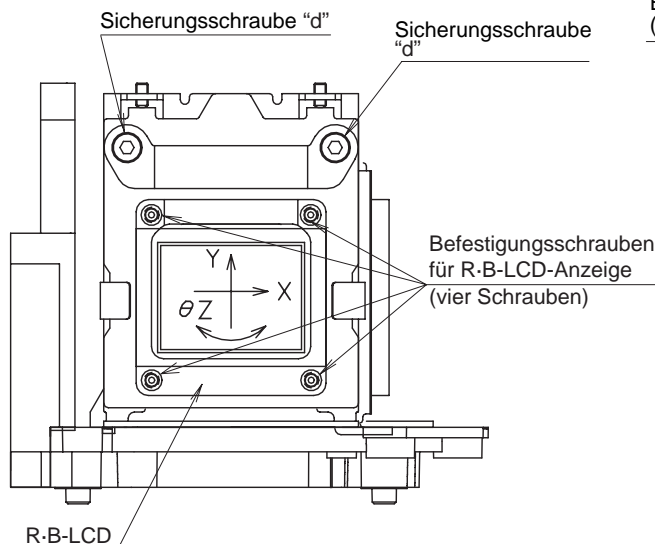
DRAUFSICHT



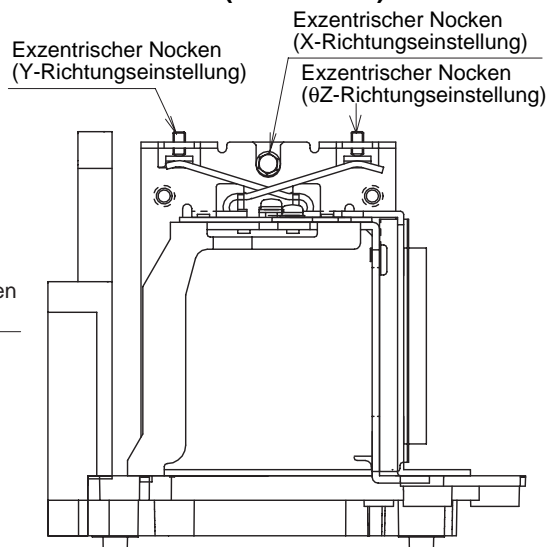
SEITENANSICHT



SEITENANSICHT (von innen)



SEITENANSICHT (von außen)



Konvergenz- und Brennpunkteinstellungen auf einen Blick Einstellrichtungen

Einstellung	Richtung	Definition	Richtung der LCD-Anzeige
Konvergenz	X-Richtung		LCD rechts und links
	Y-Richtung		LCD oben und unten
	θ Z-Richtung	Drehung um die Z-Achse	LCD-Drehachse
Brennpunkt	Z-Richtung		LCD, optische Achse
	θ X-Richtung	Drehung um die X-Achse	LCD, oben bis unten (flattert)
	θ Y-Richtung	Drehung um die Y-Achse	LCD, rechts bis links (flattert)

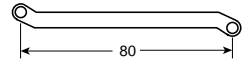
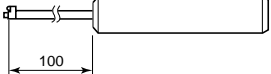
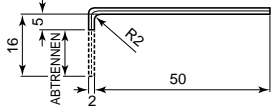
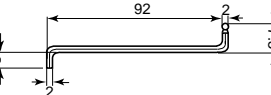
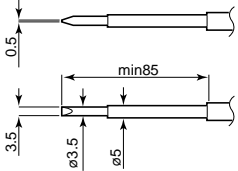
Konvergenz- und Brennpunkteinstellung für den Optikmechanismus

Farbe	Einstellung	Richtung	Bewegung	Position	Einstellwerkzeug	Sicherungsschraube	Festziehwerkzeug
R/B -Farben	Konvergenz	X-Richtung	$\pm 0.8\text{mm}$	Exzentrischer Nocken	Einstellschlüssel für exzentrischen Nocken	d	Innensechskantschlüssel
		Y-Richtung	$\pm 0.8\text{mm}$	Exzentrischer Nocken	Einstellschlüssel für exzentrischen Nocken	d	Innensechskantschlüssel
		θ Z-Richtung	$\pm 1^\circ$	Exzentrischer Nocken	Einstellschlüssel für exzentrischen Nocken	d	Innensechskantschlüssel
	Brennpunkt	Z-Richtung	$\pm 0.8\text{mm}$	Kerbe und Loch "a" und "c"	Exzentrischer Schraubendreher	a, c	Kreuzschlitz- Schraubendreher *Innensechskantschlüssel
		θ X-Richtung	$\pm 1^\circ$	Kerbe und Loch "a" und "c"	Flachkopf-Schraubendreher	a, c	
		θ Y-Richtung	$\pm 1^\circ$	Kerbe und Loch "b" und "c"		b, c	
G-Farbe	Brennpunkt	Z-Richtung	$\pm 0.2\text{mm}$	Gleich wie für R- und B-Farben			
		θ X-Richtung	$\pm 1^\circ$				
		θ Y-Richtung	$\pm 1^\circ$				

Brennpunkteinstellung in die andere Richtung

Sicherungsschraube	Position	Zugehörige Richtung
a	Kerbe und Loch "a"	Richtungen Z und θ X
b	Kerbe und Loch "b"	θ Y-Richtung
c	Kerbe und Loch "c"	Richtungen Z, θ X und θ Y

Konvergenz- und Brennpunkteinstellung sowie Festziehwerkzeuge

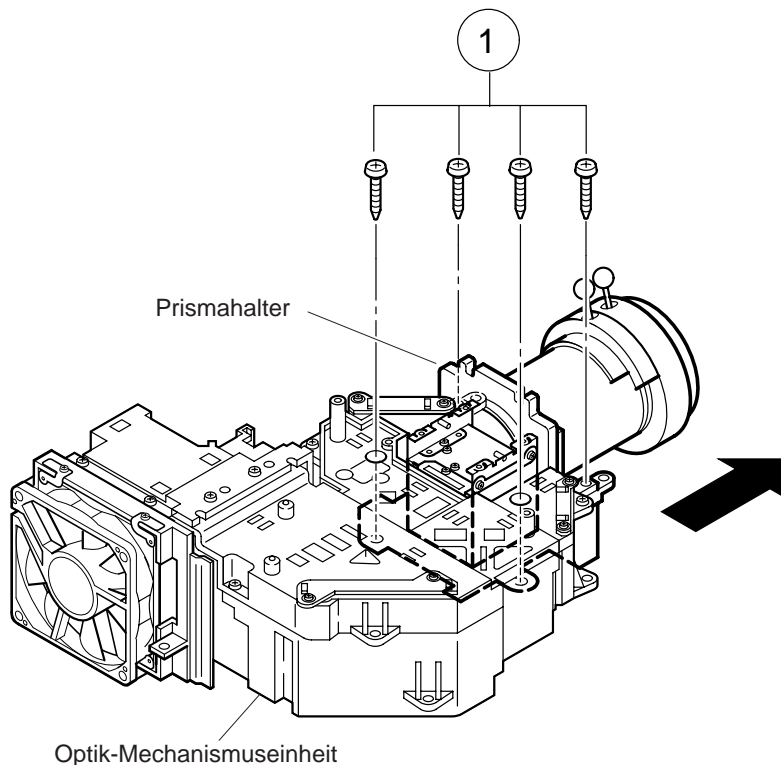
Werkzeug	Spezifisch oder allgemein	Werkzeugcode	Konfiguration
Exzentrischer Nockeneinstellschlüssel	spezifisch	9DASPN-XGNV1U	
Exzentrischer Schraubendreher	spezifisch	9DADRIVER-NV4U	
Innensechskantschlüssel	allgemein (verändert)	9EQLNC-XGNV1U	
		9EQLNC-XGNV4U	
Flachkopf-Schraubendreher	allgemein	9EQDRIVER-NV1B	
Kreuzschlitz-Schraubendreher	allgemein	—	Für Linsenrundkopfschraube M2.6
*Innensechskantschlüssel	allgemein	—	1,27 mm; vorzugsweise einen Schraubendreher von mindestens 70 mm Länge (einschließlich Heft) verwenden.

Austausch der Flüssigkristallanzeigen (LCDs)

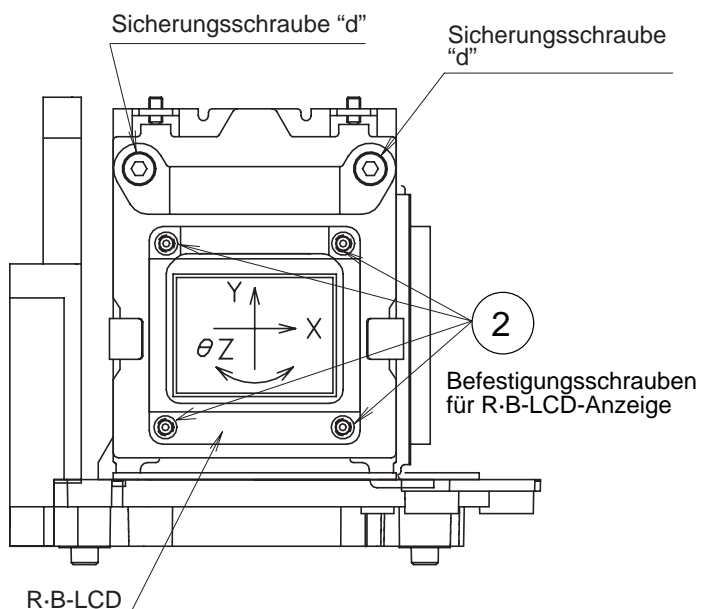
Nach Ausbau des oberen Gehäuseteils und der Optik-Mechanismuseinheit:

- (1) Die vier Sicherungsschrauben des Prismahalters losdrehen und den Prismahalter von der Optik-Mechanismuseinheit trennen.
- (2) Die Sicherungsschrauben der LCD-Anzeigen losdrehen (jeweils drei bei R-, G- und B-LCD-Anzeige). Danach die LCD-Anzeigen vom Prismahalter abnehmen.
- (3) Die neue LCD-Anzeige in umgekehrter obiger Reihenfolge (1) und (2) wieder anbringen.

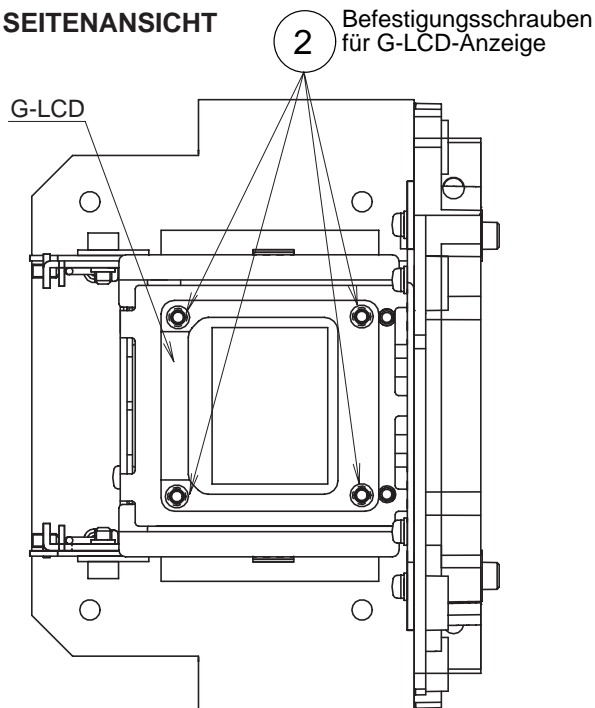
* Konvergenz und Brennpunkt einstellen. Es ist zu beachten, daß die G-LCD-Anzeige keine Konvergenzeinstellung erfordert und einen kleinen Einstellbereich in Z-Richtung aufweist.



SEITENANSICHT (von innen)



SEITENANSICHT

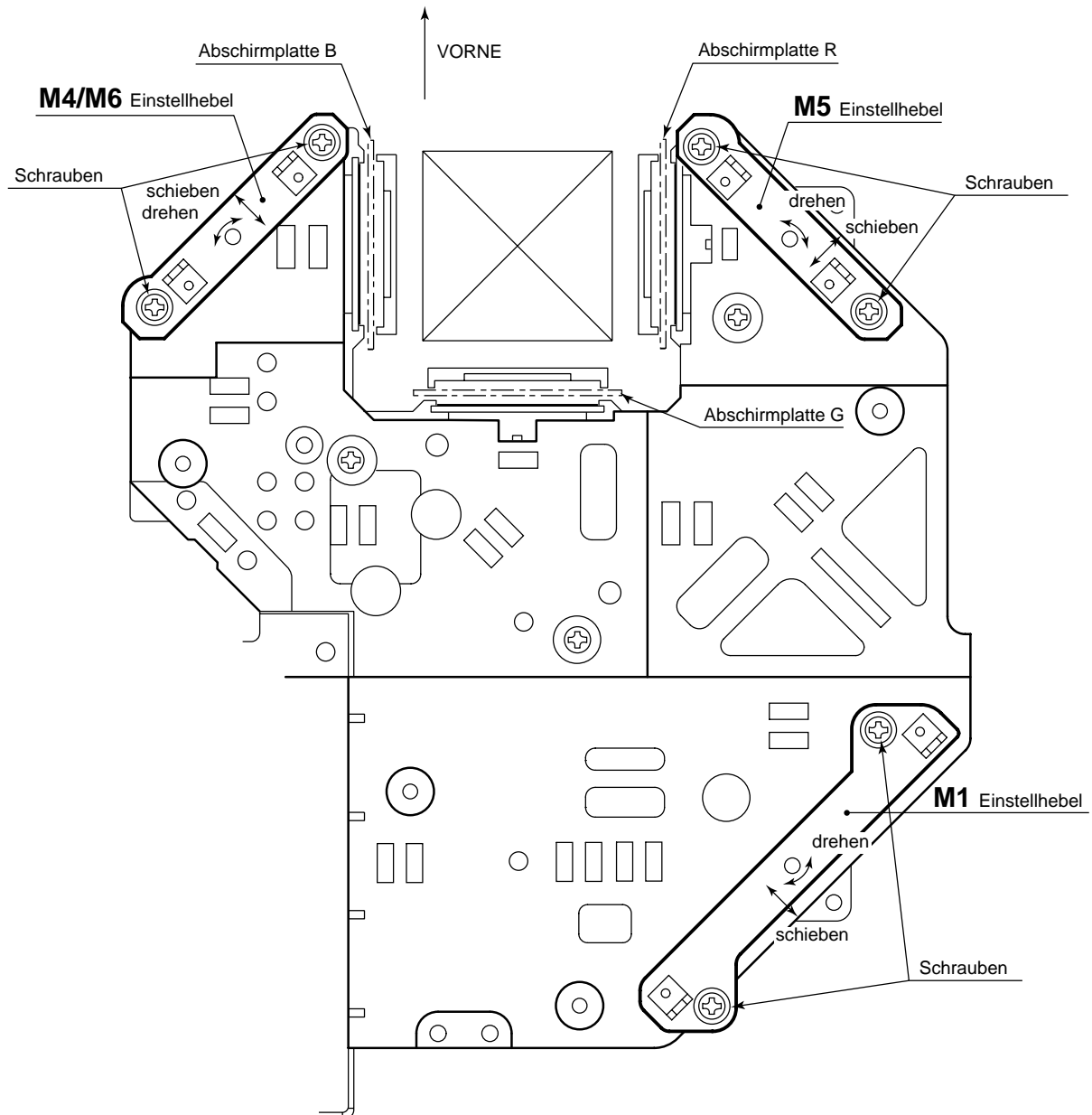


Einstellung der optischen Achse der Spiegel (M1, M5 und M4/M6)

Die optische Achse muß nachjustiert werden, wenn mit den R-, G- oder B-Spiegeln eine Verdunkelung auftritt. Im allgemeinen wird diese Einstellung erforderlich, wenn irgendeine zur Optik zählende Komponente ausgewechselt wird.

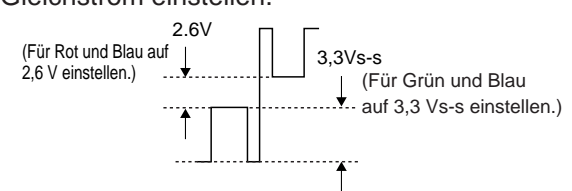
Erforderliches Einstellverfahren, wenn eine der Platten ausgewechselt oder die Konvergenz eingestellt wurde:

- (1) Die Flachkabel von allen LCD-Tafeln abziehen.
- (2) Die Lampe einschalten.
- (3) Um den G-Spiegel einzustellen, sind die R- und B-Spiegel mit Abschirmplatten abzudecken. (Um das Licht zu blockieren, kann eine Visitenkarte oder etwas ähnliches verwendet werden.)
- (4) Die Schraube des M1-Einstellhebels lockern.
- (5) Das G-Bild am Bildschirm betrachten und den M1-Einstellhebel soweit verschieben, bis die Abdunkelung am Bildschirm verschwindet. Danach die Schraube wieder festziehen.
- (6) Um den R-Spiegel einzustellen, sind die G- und B-Spiegel mit Abschirmplatten abzudecken und der M5-Einstellhebel einzustellen. Für den B-Spiegel sind die R- und G-Spiegel mit dem M6-Einstellhebel einzustellen. (Die obigen Schritte 4 und 5 durchführen.)
- (7) Alle Abschirmplatten entfernen, die weiß sind.
Sicherstellen, daß keine Verdunkelung vorherrscht.

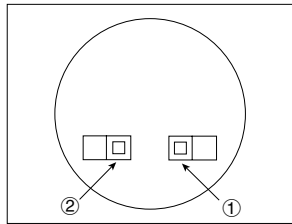
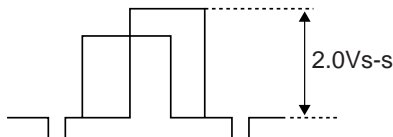


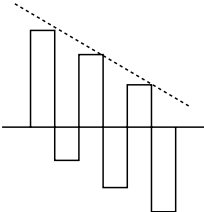
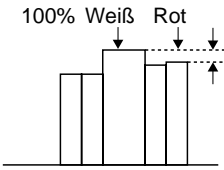
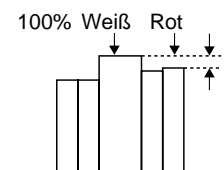
ELEKTRISCHE EINSTELLUNG

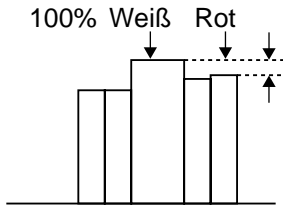
Einen Signalgenerator, PC oder Macintosh-Computer am Projektor anschließen, um die in den Einstellbedingungen spezifizierten Signale zuzuführen.

Nr.	Einstellposition	Einstellbedingung	Einstellverfahren
1	EEPROM-Initialisierung	1. Den Netzschalter einschalten und das Gerät für ca. 15 Minuten vorwärmen lassen. (Sicherstellen, daß die Kontrollampe aufleuchtet.)	<ul style="list-style-type: none"> Folgende Einstellungen vornehmen: SW5101 drücken, um den Verarbeitungsmodus abzurufen, und um S2 im SSS-Menü auszuführen. Das System ist nun initialisiert (PC-Platine nicht miteingeschlossen). S1 darf nicht ausgeführt werden, da die PC-Platine sonst initialisiert wird. Um die Platine einzustellen, die Vorschriften in "Einstellung der Platine" folgen. (Siehe seite 74)
2	3,3 V-Stromversorgungs-Einstellung	1. Den Netzschalter einschalten. 2. Den Digitalvoltmeter an TP1446 anschließen.	<ul style="list-style-type: none"> R1649 einstellen, bis der Voltmeter $3,43 \text{ V} \pm 0.03 \text{ Vs-s}$ zeigt.
3	2,5 V-Stromversorgungs-Einstellung	1. Den Netzschalter einschalten. 2. Den Digitalvoltmeter an TP1447 anschließen.	<ul style="list-style-type: none"> R1652 einstellen, bis der Voltmeter $2,60 \text{ V} \pm 0.05 \text{ Vs-s}$ zeigt.
4	R-Antrieb	1. Das Rotsignal (100%) zuführen und die folgende Wahl treffen. Gruppe : Analog/Digital Gegenstand: R-D	<ul style="list-style-type: none"> Die Regelschalter oder die Tasten auf der Fernbedienung betätigen und die Daten so einstellen, daß das Signal "bitlos" (Störung) wird.
5	B-Antrieb	1. Das Blausignal (100%) zuführen und die folgende Wahl treffen. Gruppe : Analog/Digital Gegenstand : B-D	<ul style="list-style-type: none"> Die Regelschalter oder die Tasten auf der Fernbedienung betätigen und die Daten so einstellen, daß das Signal "bitlos" (Störung) wird.
6	G-Antrieb	1. Das Grünsignal (100%) zuführen und die folgende Wahl treffen. Gruppe : Analog/Digital Gegenstand : G-D	<ul style="list-style-type: none"> Die Regelschalter oder die Tasten auf der Fernbedienung betätigen und die Daten so einstellen, daß das Signal "bitlos" (Störung) wird.
7	Schwarzpegel-Signalamplitude für RGB 1-System (ungeradzahlig)	<p>1. Die folgende Wahl treffen. Gruppe : OUTPUT 1 Gegenstand : G1-BLK G1-GAIN</p> <p>Für Rot sind die Gegenstände R1-BLK und R1-GAIN zu wählen. Für Blau sind die Gegenstände B1-BLK und B1-GAIN zu wählen.</p> <p>2. Das Oszilloskop anschließen an TP1101 für Rot. TP1201 für Grün. TP1301 für Blau.</p>	<ul style="list-style-type: none"> Den Gegenstand G1-GAIN wählen und den Schwarz-Spitzenpegel auf $3,3 \pm 0,1 \text{ Vs-s}$ Gleichspannung einstellen. Hierfür die Regelschalter oder die Tasten auf der Fernbedienung betätigen. Danach den Gegenstand G1-BLK wählen und die Weiß-zu-Weiß Pegeldifferenz auf $2,6 \pm 0,1 \text{ V}$-Gleichstrom einstellen.  <ul style="list-style-type: none"> Die Signalamplitude auf $3,3 \pm 0,1 \text{ Vs-s}$ und die Weiß-zu-Weiß Pegeldifferenz auf $2,6 \pm 0,1 \text{ V}$-Gleichstrom für das Rot und Blau einstellen.

Nr.	Einstellposition	Einstellbedingung	Einstellverfahren
8	P-SIGNAL	<ol style="list-style-type: none"> Das Oszilloskop anschließen an TP1701 für Rot. TP1702 für Grün. TP1703 für Blau. Die folgende Wahl treffen. Gruppe : OUTPUT 2 Gegenstand : PSIG-H PSIG-L 	<ul style="list-style-type: none"> Die P-SIG-Wellenform auf die nachstehende Form einstellen. <div data-bbox="1047 210 1429 451" data-label="Diagram"> </div> Sicherstellen, daß die Wellenformen für Grün und Blau ähnlich wie die Wellenform für Rot sind. Sich vergewissern, daß der Nadelstreifen aller 12 Punkte nicht seitwärts am 10-Stufensignal erscheint. (Wenn weiß oder schwarze Nadelstreifen erscheinen, ist die Einstellung mit PSIG-H vorzunehmen.)
9	Einstellung mit Geisterbildern	<ol style="list-style-type: none"> Das Geisterbild-Prüfmuster XGA60Hz (schwarz hervorgehobene Zeichen auf einem Halbton-RGB-Hintergrund) projizieren. Gruppe: OUTPUT3 Einstellung GCK-PHASE Sich vergewissern, daß die Einstellung auf 8 (Anfangswert) fixiert wurde. Einstellung EN-WIDTH Sich vergewissern, daß die Einstellung auf 8 (Anfangswert) fixiert wurde. Einstellung ENR-PHASE (Geisterbild-Einstellung R-LCD) Einstellung ENG-PHASE (Geisterbild-Einstellung G-LCD) Einstellung ENB-PHASE (Geisterbild-Einstellung B-LCD) 	<ul style="list-style-type: none"> Einstellung ENR-PHASE (Geisterbild-Einstellung R-LCD) <ol style="list-style-type: none"> Den Einstellwert erhöhen, bis ein Geisterbild (siehe Hinweis) auf der linken Seite der schwarzen Zeichen auf dem R-Halbton-Hintergrund sichtbar wird. Den Einstellwert schrittweise reduzieren, bis das Geisterbild auf der linken Seite verschwindet (des obigen Schritts ①). Den Einstellwert um einen weiteren Punkt reduzieren. Einstellung ENG-PHASE (Geisterbild-Einstellung G-LCD) Das G-Geisterbild nach den gleichen Anweisungen wie im obigen Schritt 1 einstellen. Einstellung ENB-PHASE (Geisterbild-Einstellung B-LCD) Das G-Geisterbild nach den gleichen Anweisungen wie im obigen Schritt 1 einstellen. <p>Hinweis: Left-hand ghost image: Characters are shown double 12 dots left from the real characters.</p> <p>Referenz: Diese Einstellung muß vorgenommen werden, da ein EPSON LCD-Bildschirm eine Variation von 1 oder 2 Punkten aufweisen kann, abhängig von der Herstellerserie.</p>
10	Muster- und Halteimpulsphase RCK-PHASE GCK-PHASE BCK-PHASE	<ol style="list-style-type: none"> Das XGA-Schwarzwertsignal (75 Hz) zuführen. Folgende Wahl vornehmen: Gruppe : OUTPUT 3 Gegenstand: SH-PHASE (Den Standardpegel auf 2 halten.) Die RCK-, GCK- und BCK-Phaseinstellungen auf 8 fixieren. 	<ul style="list-style-type: none"> Die Einstellung mit den Regelschaltern oder den Fernbedienungstasten vornehmen. Dabei die Einstellung so durchführen, daß die "OUTPUT 3"-Zeichen nicht verschwommen sind bzw. überlappen. Wenn die Zeichen verschwommen sind oder überlappen, muß die Einstellung im Bereich zwischen 7 bis 9 ausgeführt werden.

Nr.	Einstellposition	Einstellbedingung	Einstellverfahren
11	Einstellung der RGB-Gegenspannung	<ol style="list-style-type: none"> Das 25%-Schwarz/Rot-Streifensignal (XGA) zuführen. Folgende Wahl vornehmen: Gruppe : OUTPUT 3 Gegenstand : RC (R) und Gruppe : OUTPUT 3 Gegenstand : RC-INV (R) 	<ul style="list-style-type: none"> Die Daten einstellen, um das Bildflimmern zu reduzieren. Hierfür die Regelschalter oder die Tasten auf der Fernbedienung betätigen. Die gleichen Einstellungen für BC (B), GC (G), RC-INV (B) und RC-INV (G) vornehmen. Sicherstellen, daß beide Seiten rechts und links am Bildschirm mittig ausgerichtet sind. Falls dies nicht der Fall ist, muß der Bildschirm so eingestellt werden, daß das Bild rechts und links identisch ist.
12	Regenerierungseinstellung für RGB-Abstufung	<ol style="list-style-type: none"> Das SMPTE-Signalmustersignal (nur Grün) zuführen (XGA). Gruppe : OUTPUT 1 Gegenstand : G1-BLK 	<ul style="list-style-type: none"> Die G-BLK-Daten einstellen, bis die erste Abstufung ① (95% und 100% weiß; nachfolgend aufgeführt) geringfügig erkannt werden kann. Sicherstellen, daß die zweite Abstufung ② (0% und 5% schwarz) sichtbar ist. 
13	RGB-Weißbalance	<ol style="list-style-type: none"> Das Grauskalensignal (32 Abstufungen) zuführen (XGA). Gruppe : OUTPUT 1 Gegenstand : R1-BLK (R) B1-BLK (B) 	<ul style="list-style-type: none"> Die Posten R1-BLK und B1-BLK wählen und die Schwarzbalance der Abstufung einstellen.
14	Horizontal center	<ol style="list-style-type: none"> Das NTSC-Monoskopsignal zuführen. Gruppe : VIDEO 2 Gegenstand : N358-DLY (4) N443-DLY (0) PAL-DLY (3) SECAM-DLY (0) Sicherstellen, daß die Einstellungen richtig eingestellt sind. Gruppe : VIDEO 1 Gegenstand : NTSC-H 	<ul style="list-style-type: none"> Die Daten einstellen, um den gleichen Überscan-Wert zu erzielen. Hierfür die Regelschalter oder die Tasten auf der Fernbedienung betätigen.
15	Einstellung des Videobilds	<ol style="list-style-type: none"> Das TrennfARBalkensignal zuführen. Gruppe : VIDEO 1 Gegenstand : PICTURE Ein Oszilloskop zwischen Stift (2) von P801 und GND anschließen. 	<ul style="list-style-type: none"> Die Schwarz-zu-Weiß Signalpegeldifferenz (100%) auf $2,0 \pm 0,02$ Vs-s einstellen. Hierfür die Regelschalter oder die Tasten auf der Fernbedienung betätigen. 

Nr.	Einstellposition	Einstellbedingung	Einstellverfahren
16	Einstellung der Bildhelligkeit	<ol style="list-style-type: none"> Das Grundfrequenzsignal (TrennfARBbalkensignal) zuführen. (Das ON-AIR-Signal ist nicht zulässig, da es zu viele Störungen erzeugt.) Gruppe : VIDEO2 Gegenstand : VROS/VGOS/VBOS Den Regelschalter oder die Stummschalttaste auf der Fernbedienung drücken, um die Gammakorrektur auf die Verarbeitungseinstellung einzustellen. 	<ul style="list-style-type: none"> Mit den Regelschaltern am Gerät oder über die Fernbedienung die Daten so einstellen, daß das Schwarzsinal "bitlos" wird.
17	Video-AGC	<ol style="list-style-type: none"> Das getrennte Farbbalkensignal zuführen. Gruppe: VIDEO 1 Gegenstand: AGC 	<ul style="list-style-type: none"> Unter Verwendung der Steuerschalter oder der Fernbedienungstasten die Einstellung so vornehmen, daß das Weißsignal bitlos wird.
18	Farbton	<ol style="list-style-type: none"> Das TrennfARBbalkensignal zuführen. Gruppe : VIDEO 1 Gegenstand : TINT Das Oszilloskop am Stift(4) von P801 anschließen. 	<ul style="list-style-type: none"> Die Daten so einstellen, daß die -(B-Y)-Welle geradlinig abfällt. Hierfür die Regelschalter oder die Tasten auf der Fernbedienung betätigen.  <ul style="list-style-type: none"> Nach der Einstellung den Wert von TINT um 3 Punkte erhöhen.
19	NTSC-Farbsättigungspegel	<ol style="list-style-type: none"> Das TrennfARBbalkensignal zuführen. Gruppe : VIDEO 1 Gegenstand : N-COLOR Das Oszilloskop am Stift(1) von P801 anschließen. 	<ul style="list-style-type: none"> Die Differenz (100%) des Weiß- und Rotanteils auf $0,00 \pm 0,05$ Vs-s einstellen. Hierfür die Regelschalter oder die Tasten auf der Fernbedienung betätigen. (wie bei 100% Weißpegel) 
20	PAL-Farbsättigungspegel	<ol style="list-style-type: none"> Das PAL-Farbbalkensignal zuführen. Gruppe : VIDEO 1 Gegenstand : P-COLOR Das Oszilloskop am Stift(1) von P801 anschließen. 	<ul style="list-style-type: none"> Die Differenz (100%) des Weiß- und Rotanteils auf $0,2 \pm 0,05$ Vs-s einstellen. Hierfür die Regelschalter oder die Tasten auf der Fernbedienung betätigen. 

Nr.	Einstellposition	Einstellbedingung	Einstellverfahren
21	SECAM-Farbsättigungspegel	1. Das SECAM-Farbbalkensignal zuführen. Gruppe : VIDEO 1 Gegenstand : S-COLOR 2. Das Oszilloskop am Stift(1) von P801 anschließen.	<ul style="list-style-type: none"> Die Daten-Differenz (100%) des Weiß- und Rotanteils auf $0,2 \pm 0,05$ Vs-s einstellen. Hierfür die Regelschalter oder die Tasten auf der Fernbedienung betätigen. 
22	Einstellung der Signal-Amplitude des Video-Eingabefelds	1. Das NTSC-10-Stufensignal zuführen. 2. Die Gruppe und den Gegenstand wählen: Gruppe: VIDEO2 Gegenstand: R1-GAIN B1-GAIN 3. Das Oszilloskop mit TP1101 (R) und TP1201 (G) verbinden. 4. Für Blau das Oszilloskop mit TP1301 (B) und TP1201 (G) verbinden.	<ul style="list-style-type: none"> R1-GAIN wählen, dann die Amplitude des R-Signals und die Amplitude des G-Signals auf den gleichen Wert einstellen. Die gleiche Einstellung für das blaue Signal vornehmen.
23	Video-Weißbalance	1. Das NTSC-Monoskopsignal zuführen. Gruppe : VIDEO 2 Gegenstand : R1-BLK B1-BLK	<ul style="list-style-type: none"> Mit den Regelschaltern am Gerät oder über die Fernbedienung die Einstellung so vornehmen, daß die gesamte Bildschirmfläche gleichmäßig unbunt erscheint.
24	Einstellung des DTV-Weißabgleichs	1. Das Monoskopmuster-Signal zuführen. 2. Gruppe: DTV Gegenstand: CR-OFFSET CB-OFFSET	<ul style="list-style-type: none"> Mit den Regelschaltern am Gerät oder über die Fernbedienung die Einstellung so vornehmen, daß die gesamte Bildschirmfläche gleichmäßig unbunt erscheint.
25	Setup	1. Gruppe: VIDEO1 Gegenstand: SET UP B SET UP C	<ul style="list-style-type: none"> Sich vergewissern, daß die Einstellungen wie folgt vorgenommen wurden: 11 für SET UP B, und 2 für SET UP C.
26	Automatische Farbkorrektur	1. Unter Verwendung des automatischen Farbkorrektur-Systems (ccdc) die automatische Farbkorrektur vornehmen.	<ul style="list-style-type: none"> Sich vergewissern, daß am Bildschirm keine Farbabweichungen auftreten.
27	Leistungsprüfung des Farbsystems	1. Das Farbbalkensignal empfangen.	<ul style="list-style-type: none"> Im Verarbeitungsmodus L1 anwählen. Die Farbe und die Tönung überprüfen.
28	Leistungsprüfung des Videosystems	1. Das Monoskopsignal empfangen.	<ul style="list-style-type: none"> Im Verarbeitungsmodus L2 anwählen. Die Farbe und die Tönung überprüfen.

Nr.	Einstellposition	Einstellbedingung	Einstellverfahren						
29	Leistungsprüfung des Audiosystems		<ul style="list-style-type: none">Im Verarbeitungsmodus L3 anwählen. Baß, Höhen und Balance überprüfen.						
30	RGB-Leistungsprüfung	1. Das RGB-Signal empfangen.	<ul style="list-style-type: none">Im Verarbeitungsmodus L4 anwählen. Bild, Helligkeit, Rot, Blau, Takt, Phase, Horizontal- und Vertikalposition überprüfen.						
31	Leistungsprüfung Off-Timer		<ul style="list-style-type: none">Im Verarbeitungsmodus OFF anwählen. Sicherstellen, daß der Off-Timer bei "5" (Minuten) beginnt, jede Minute in 1 sec Intervallen herunterzählt und das Gerät bei "0" ausschaltet.						
32	Thermistor-Leistungsprüfung	1. Den Thermistor mit einem Fön erwärmen.	<ul style="list-style-type: none">Sicherstellen, daß "TEMP" angezeigt wird.						
33	Automatische Synchronisierung	1. Das PHASE-Prüfmustersignal empfangen.	<ul style="list-style-type: none">Den VGA/SVGA/XGA/SXGA-Modus einschalten und sicherstellen, daß Taktung und Phase sowie Horizontal- und Vertikalposition automatisch einstellbar sind.						
34	Leistungsprüfung für Keystone-Korrektur		<ul style="list-style-type: none">Sicherstellen, daß die Keystone-Korrektur gut funktioniert.						
35	Werkseinstellungen		<ul style="list-style-type: none">Folgende Einstellungen durchführen:<table><tr><td>Verarbeitungseinstellung</td><td>Fernbedienungseinstellung</td></tr><tr><td>S3</td><td>"Werkseinstellung 3"(XG-C40XE)</td></tr><tr><td>S4</td><td>"Werkseinstellung 4"(XG-C40XU)</td></tr></table>	Verarbeitungseinstellung	Fernbedienungseinstellung	S3	"Werkseinstellung 3"(XG-C40XE)	S4	"Werkseinstellung 4"(XG-C40XU)
Verarbeitungseinstellung	Fernbedienungseinstellung								
S3	"Werkseinstellung 3"(XG-C40XE)								
S4	"Werkseinstellung 4"(XG-C40XU)								

EINSTELLUNG DER PC-PLATINE (CPCi-0047CE16. PC I/F Einheit)

1. RGB-Pegeleinstellung

- 1) Einen Signalgenerator an den Projektor anschließen (mit 0047-Platine bestückt). Den Signalgeneratorausgang in den XGA-Modus bringen (VESA 1024x768, 60 Hz, 32-Farbtone-Wellenform). Die Ausgangsamplitude am Anschluß P8404 auf 700 mVs-s einstellen.
- 2) Den Projektoreingang in den RGB1-Modus bringen.
- 3) Den Verarbeitungsmodus durch Betätigen der Taste am Projektor abrufen.
- 4) „A/D“ am Hauptmenü-Bildschirm anwählen.
- 5) „R-BRIGHT“ in der „A/D“-Gruppe wählen und „R-BRIGHT“ so einstellen, daß sich keine sichtbaren Pixel rund um den Bildschirm bilden.
- 6) Die gleichen Einstellungen mit „G-BRIGHT“ und „B-BRIGHT“ durchführen.
- 7) Danach die „R-D“-Gruppe anwählen und die Einstellungen der obigen Posten so ausführen, daß sich keine sichtbaren Pixel rund um den Bildschirm bilden.
- 8) Nun die Gruppen „G-D“ und „B-D“ anwählen und die gleichen Einstellungen durchführen.

Nun zur DTV-Pegeleinstellung weitergehen.

2. DTV-Pegeleinstellung

- 1) Den Signalgeneratorausgang auf den „nur Grün-Modus“ einstellen.
- 2) „DTV“ auf dem Hauptmenü-Bildschirm für den Verarbeitungsmodus anwählen.
- 3) Den Posten „G-BRIGHT“ in der „DTV“-Gruppe anwählen und die „G-BRIGHT“-Einstellung so durchführen, daß sich keine sichtbaren Pixel rund um den Bildschirm bilden.
- 4) Das gleiche mit den Einstellungen „CB-OFFSET“ und „CR-OFFSET“ ausführen.

Die 0047-Platine im Projektor ist nun für die Auslieferung bereit.

Hinweis: VIDEO-Eingangseinstellungen sind nicht erforderlich.

Vorsichtshinweise zur Wartung

Wenn sich bei Wartungsarbeiten am Gerät die Konvergenz verschiebt, den Prozeßmodus aufrufen und die nachfolgende Gruppe und Gegenstände wählen.

Gruppe: NOKO

Gegenstand: R-CNV-H, R-CNV-V

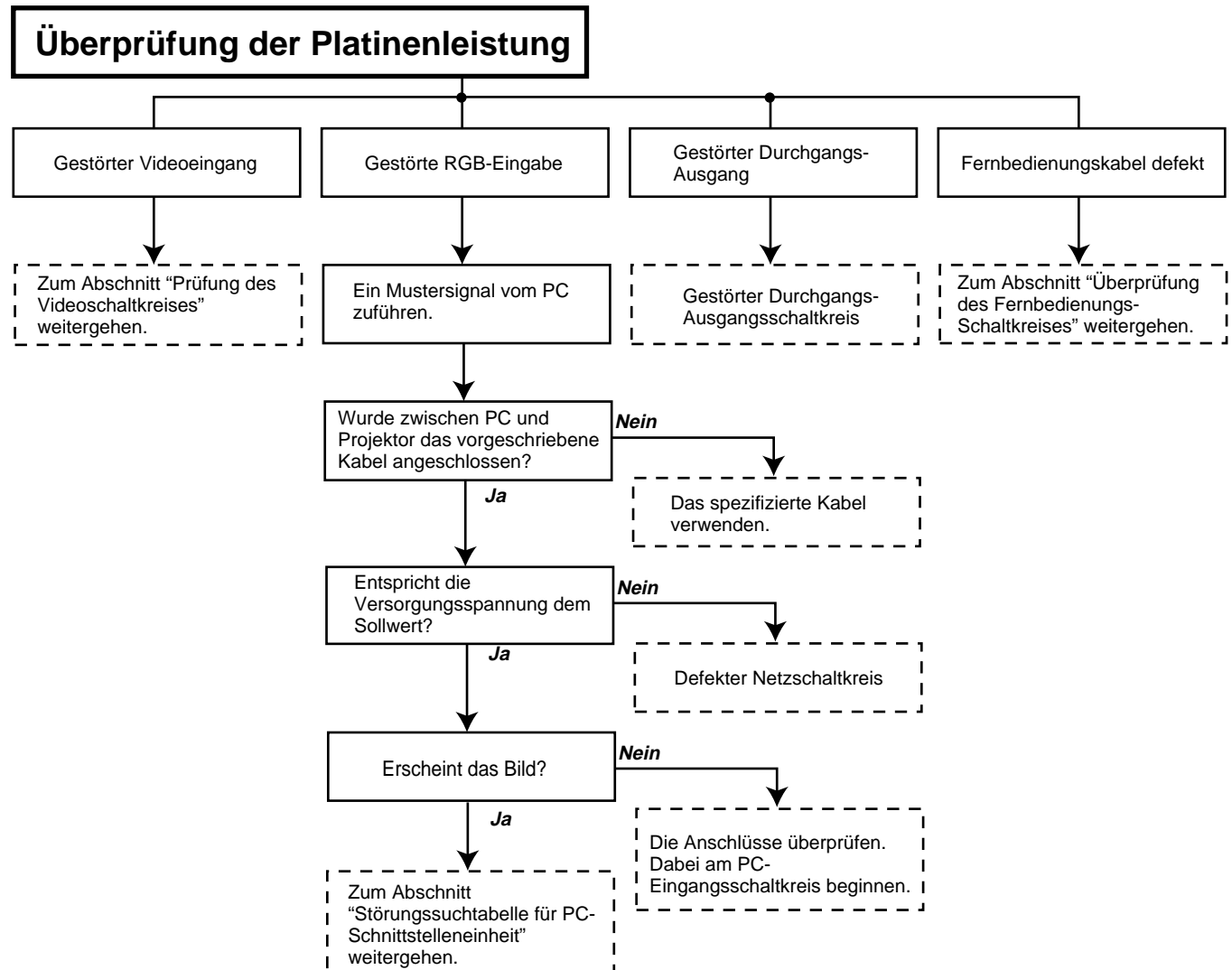
G-CNV-H, G-CNV-V

B-CNV-H, B-CNV-V

(H und V repräsentieren die horizontalen bzw. vertikalen Einstellungen.)

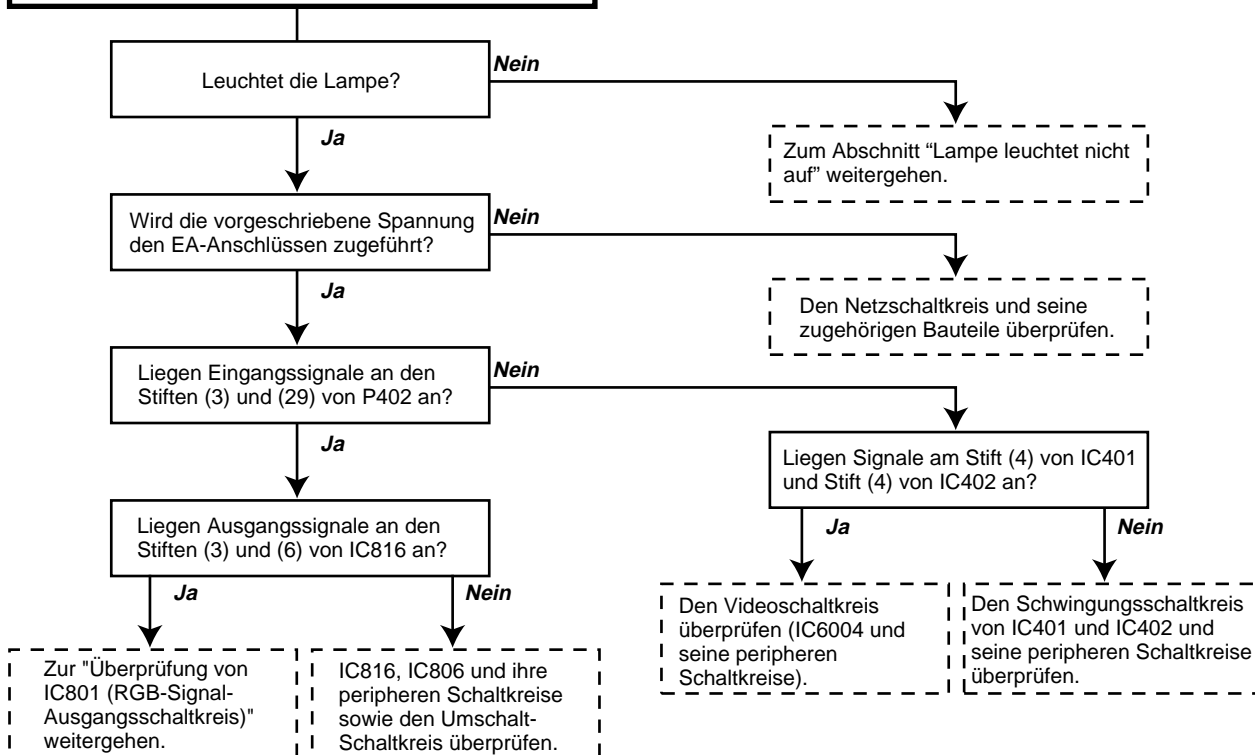
Die obigen Einstellungen in einem Bereich zwischen 0 und 4 vornehmen.

FEHLERSUCHTABELLE

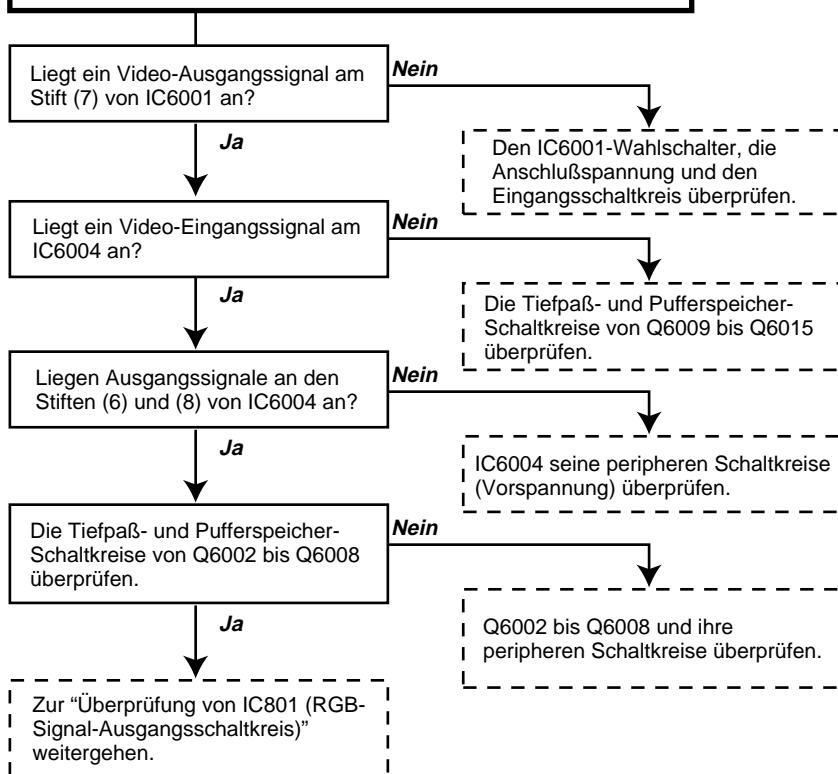


FEHLERSUCHTABELLE (Fortsetzung)

Überprüfung des Videosystems

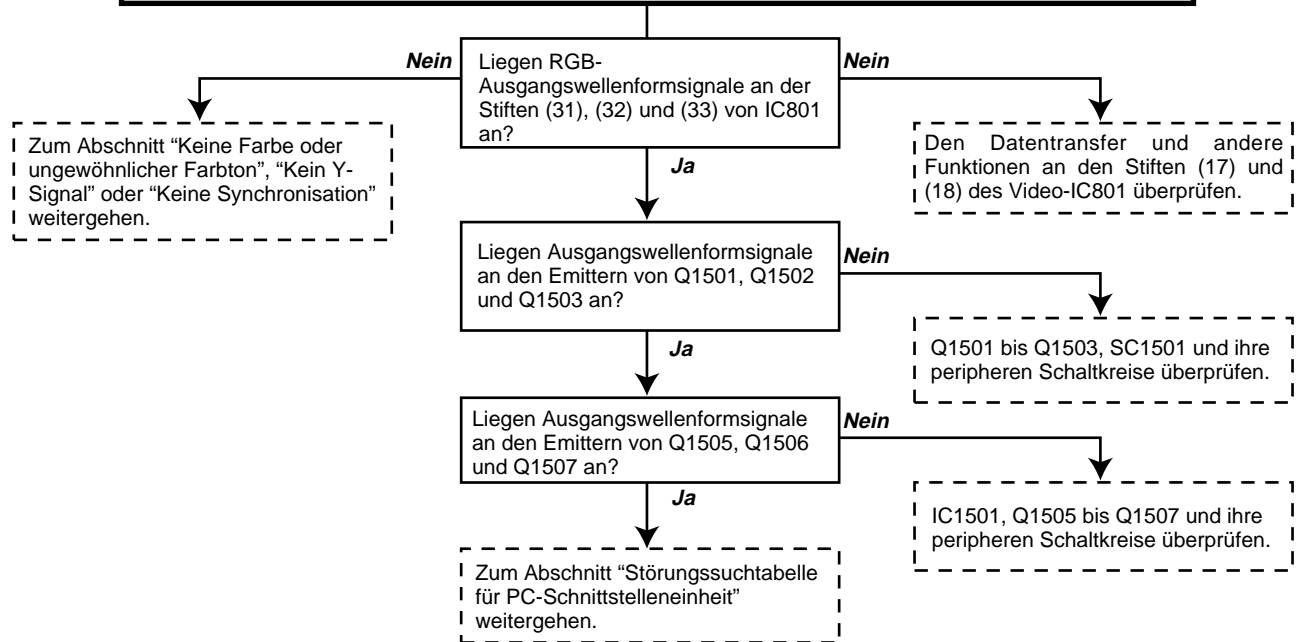


Überprüfung des Videoschaltkreises

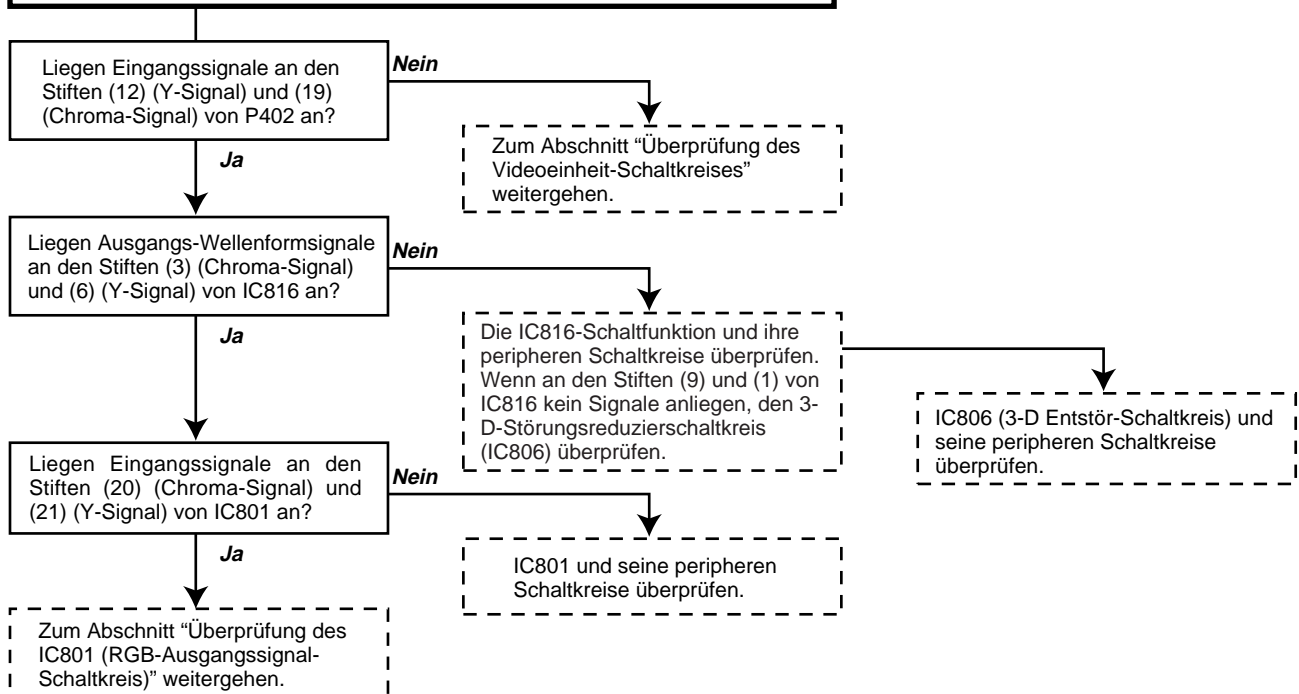


FEHLERSUCHTABELLE (Fortsetzung)

Überprüfung des IC801 (RGB-Signal-Ausgangsschaltkreis)

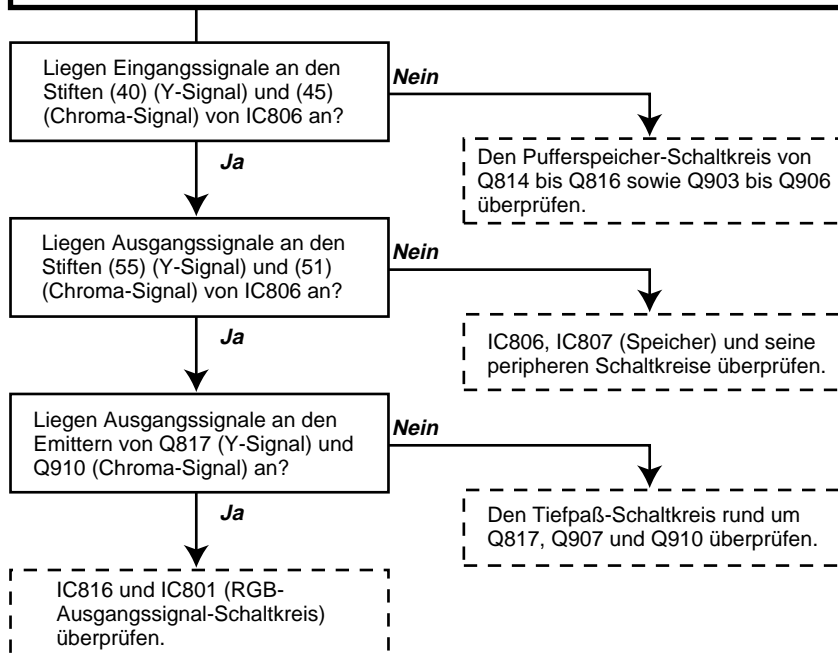


Überprüfung der Chroma- und Y-Signale des IC801 (RGB-Signalausgabe)

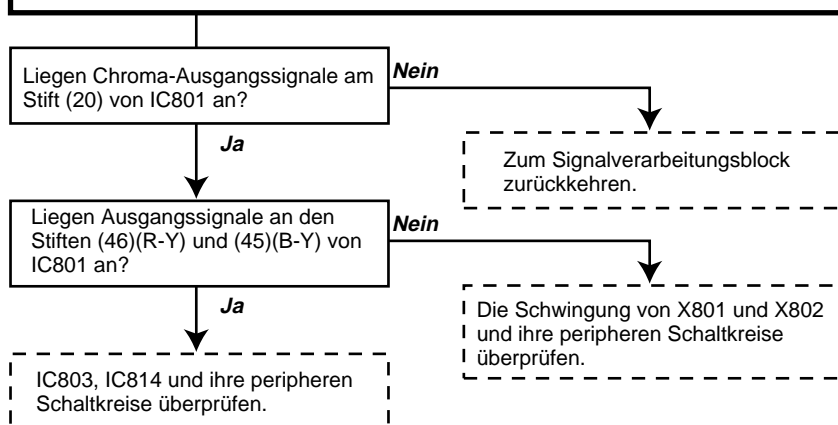


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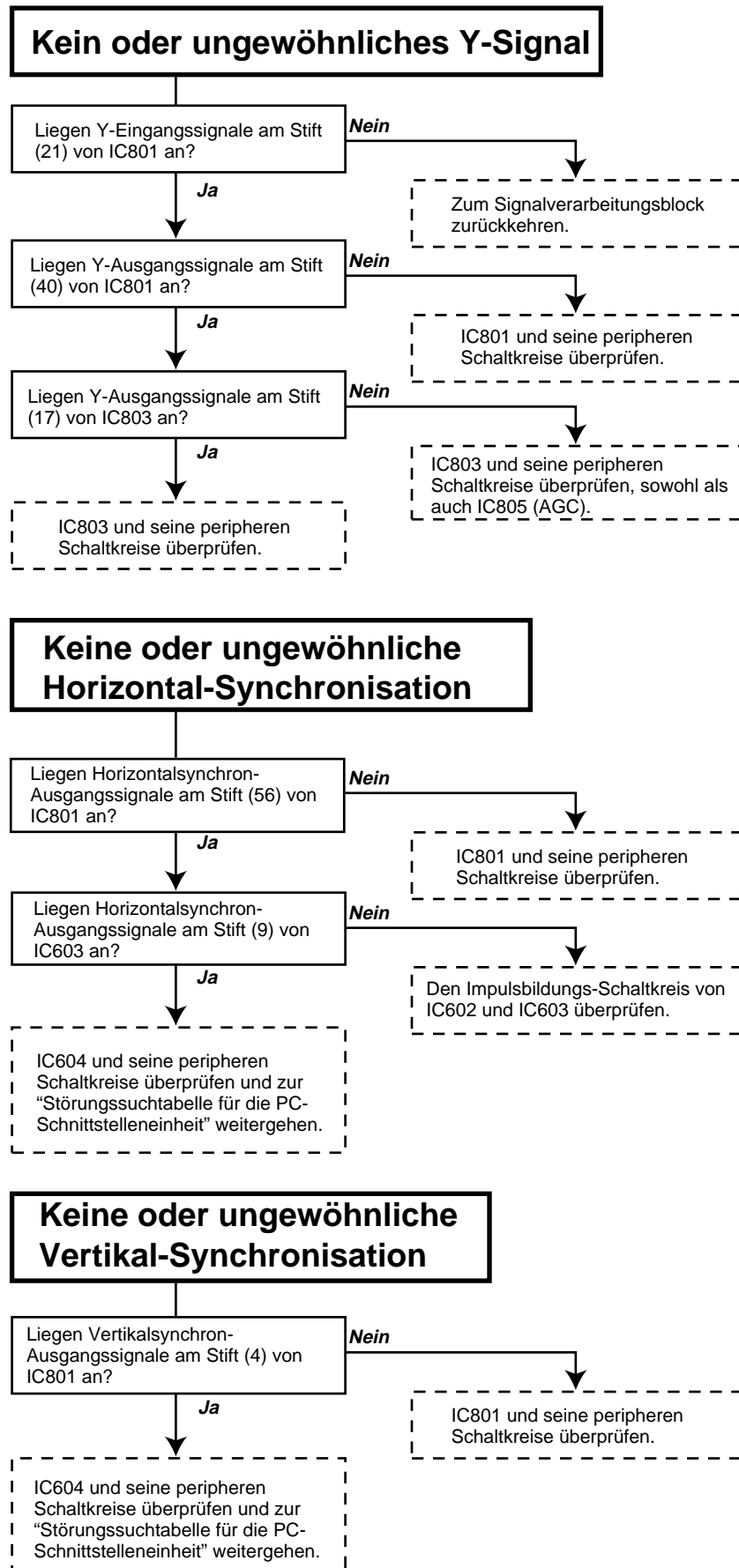
Überprüfung des IC806 (3-D Störungs-Reduzierschaltkreis) und seiner peripheren Schaltkreise



Keine Farbe oder ungewöhnlicher Farbton (NTSC, PAL)

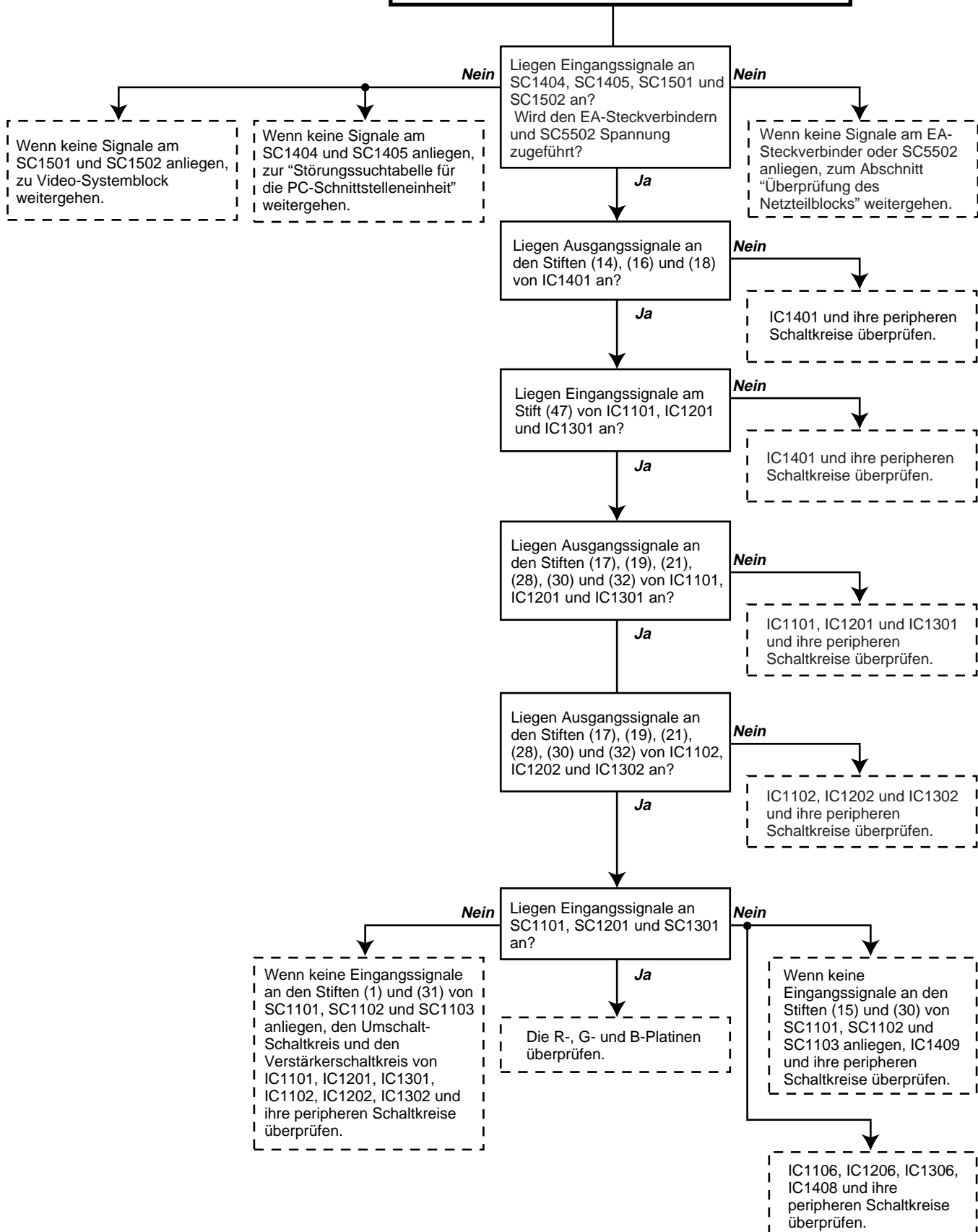


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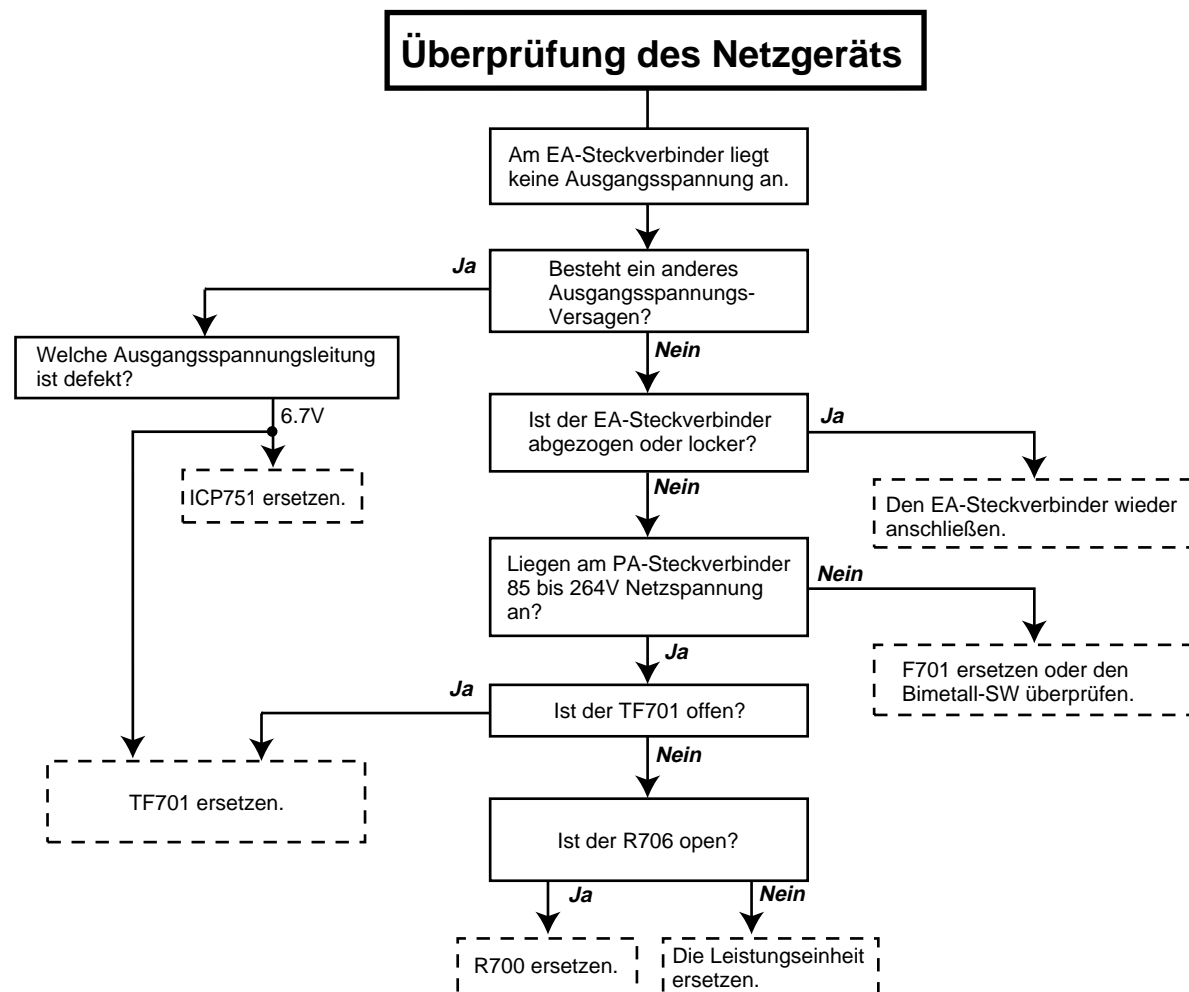
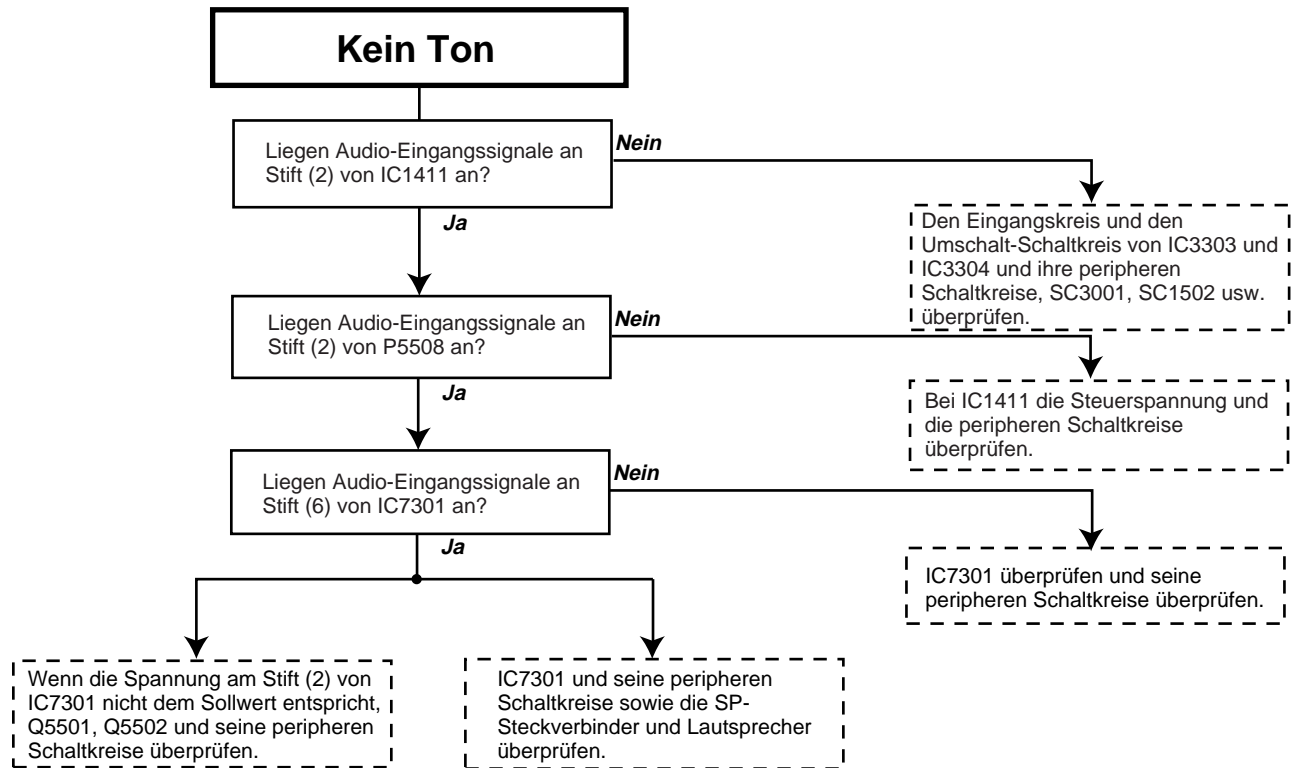


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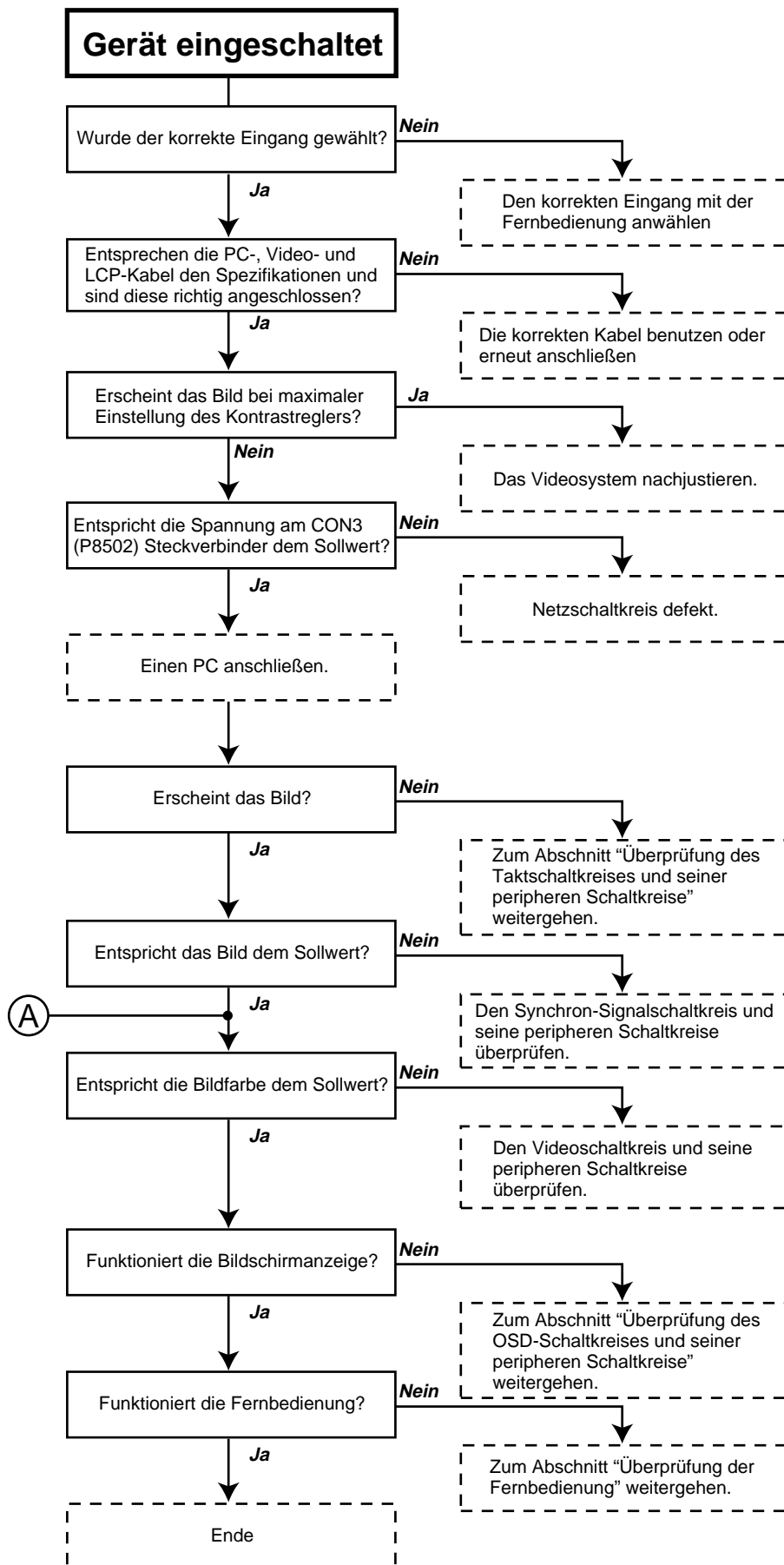
Überprüfung der Ausgangsplatine



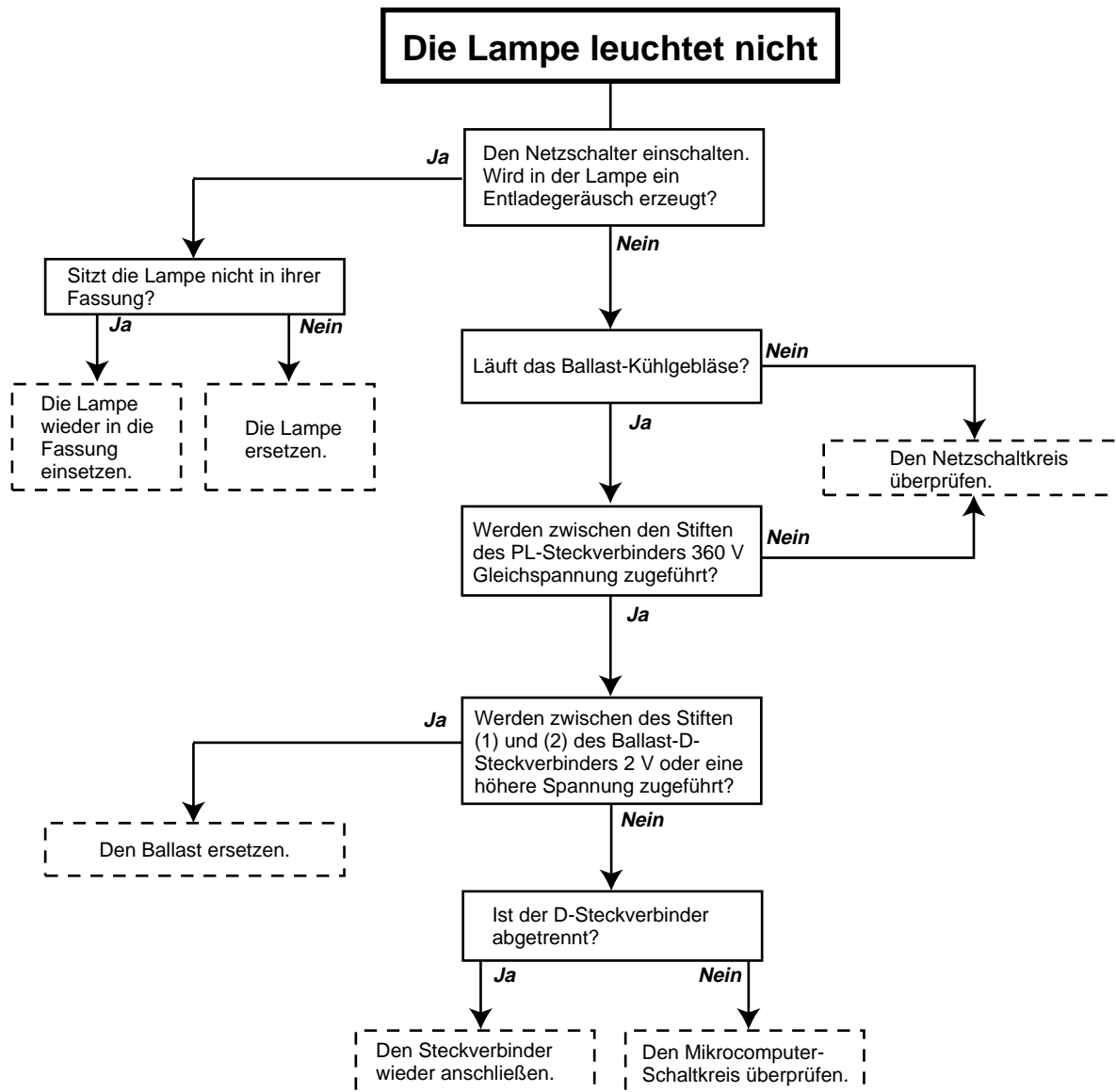
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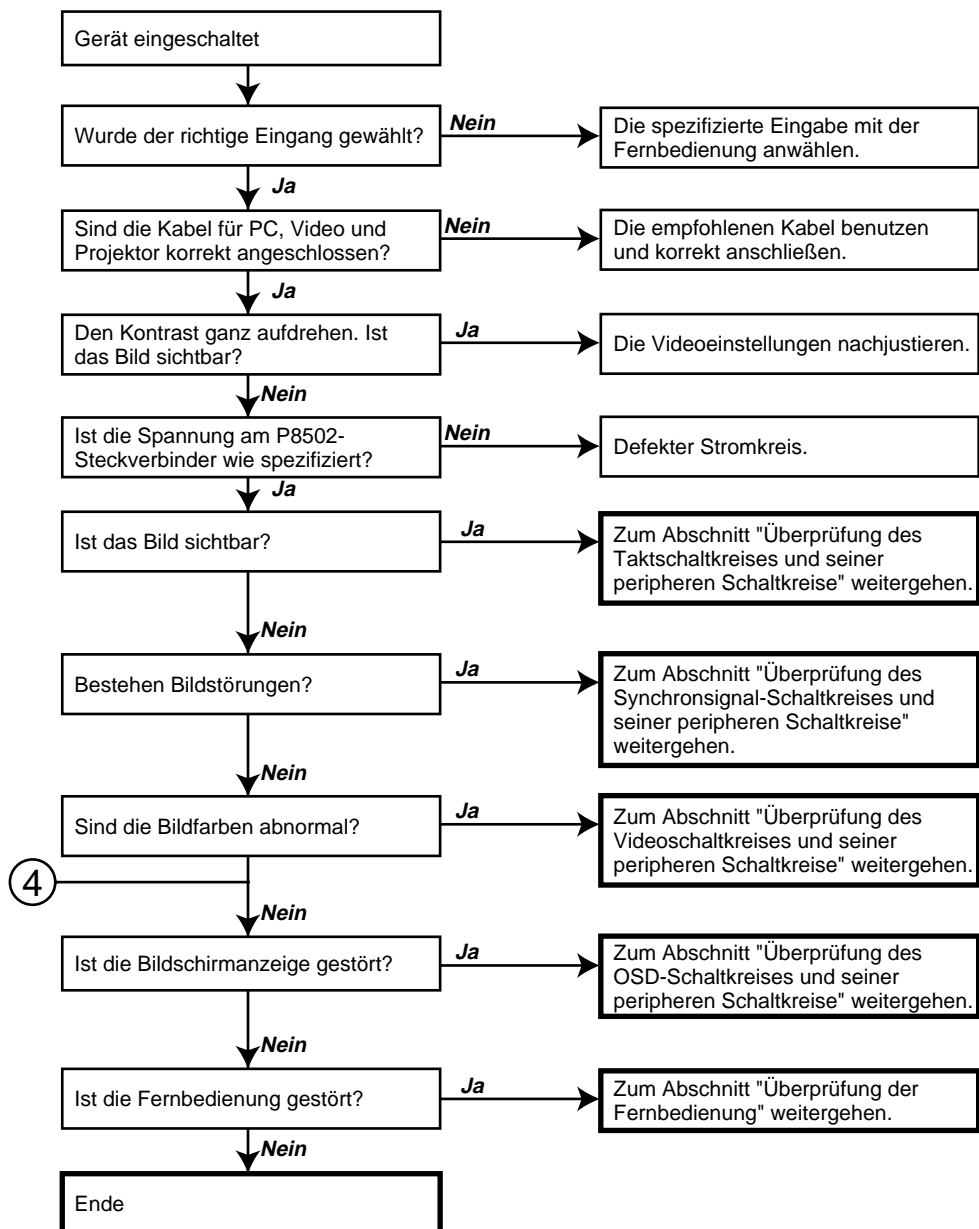
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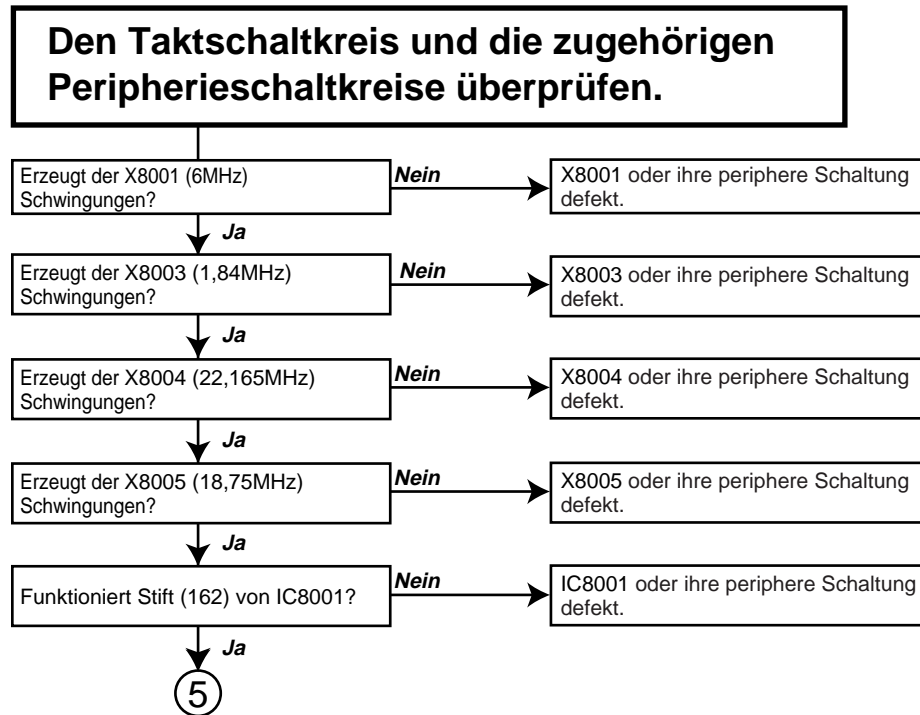
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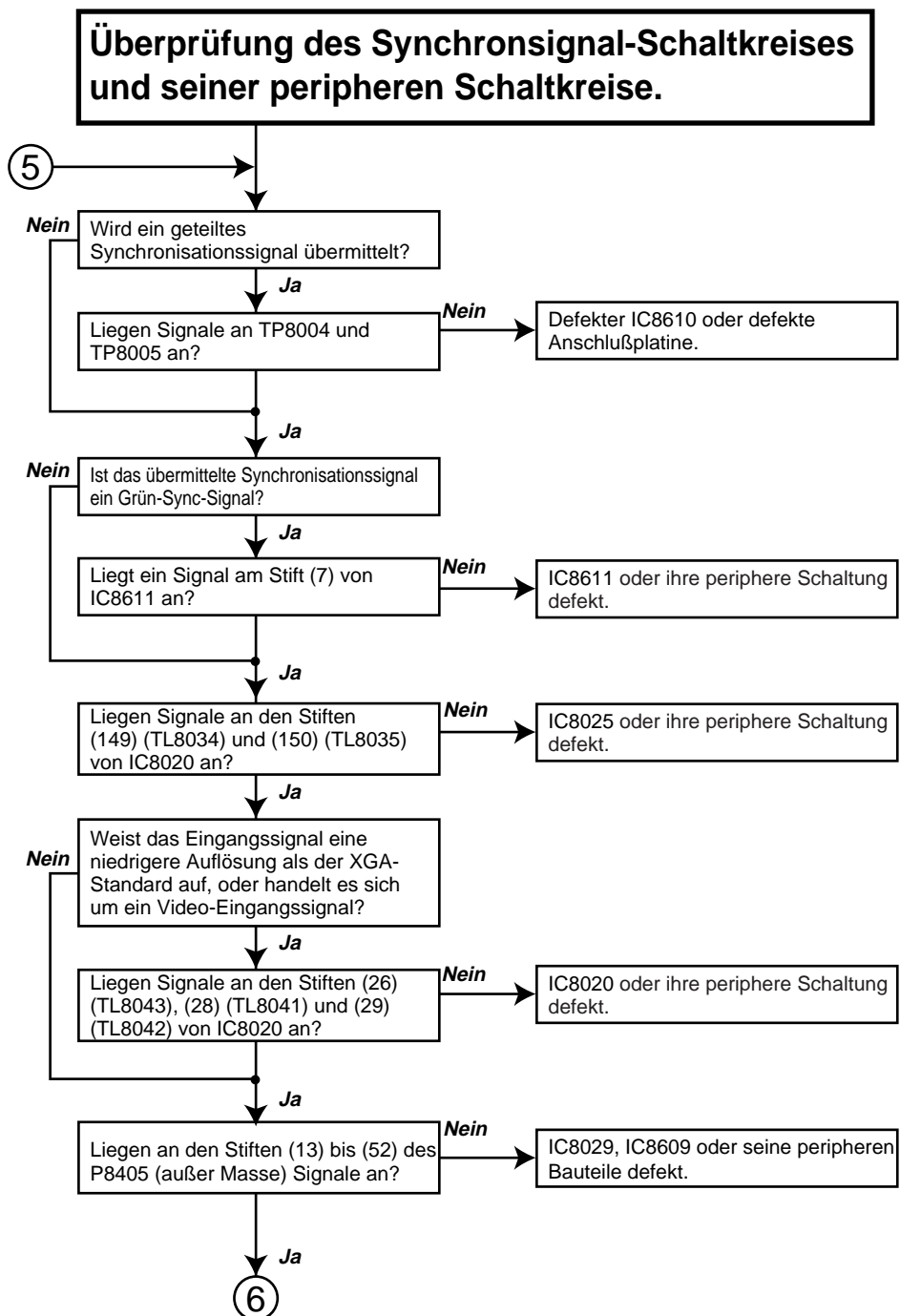
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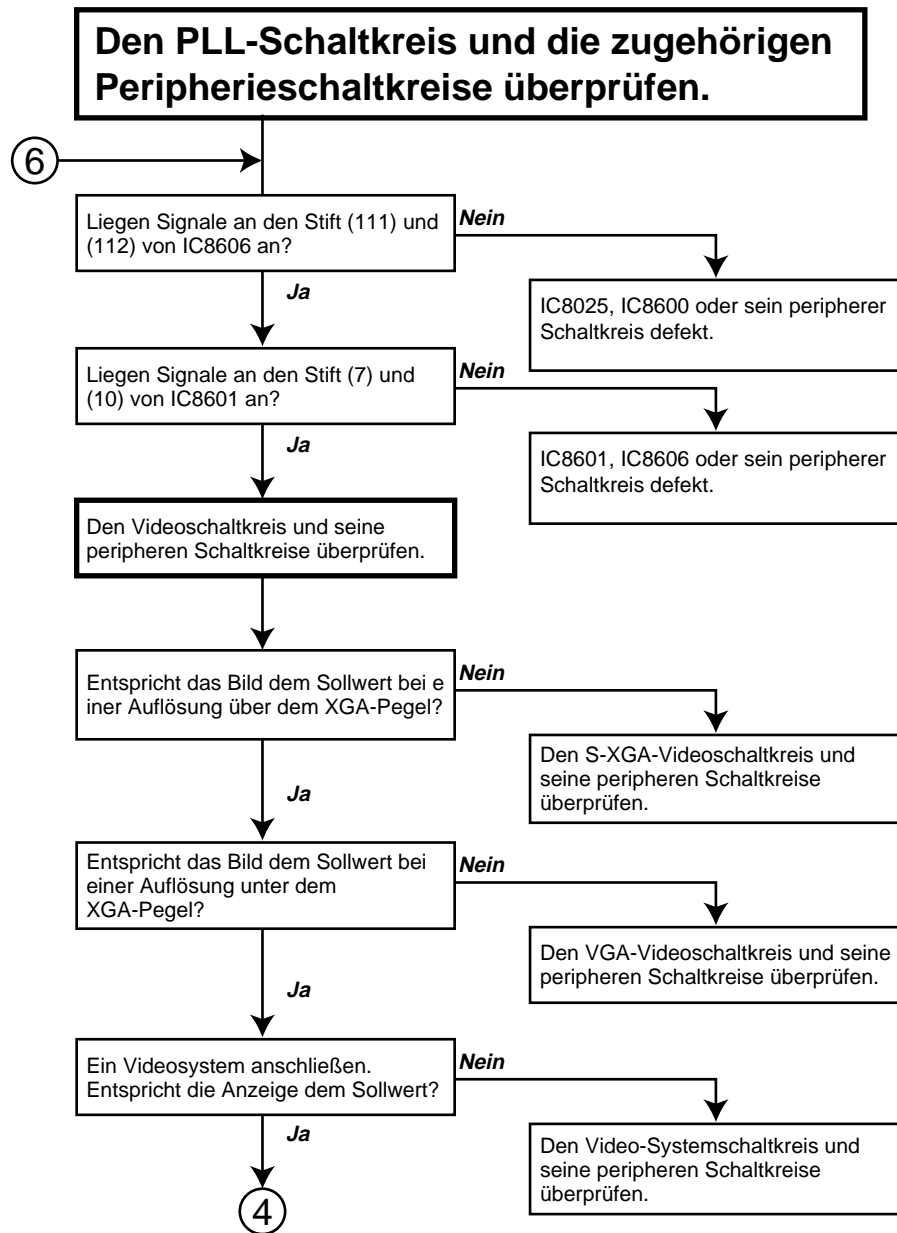
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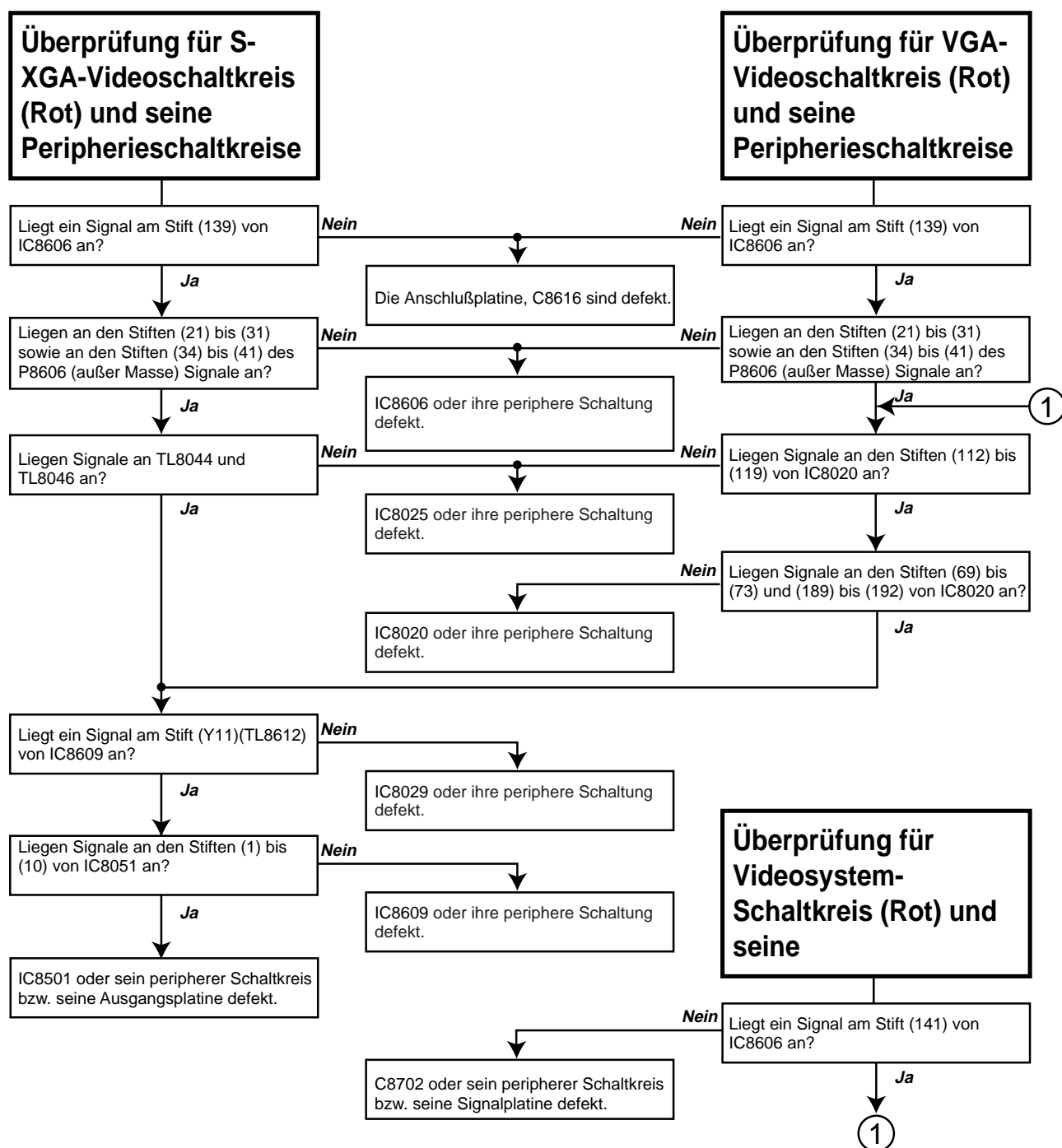
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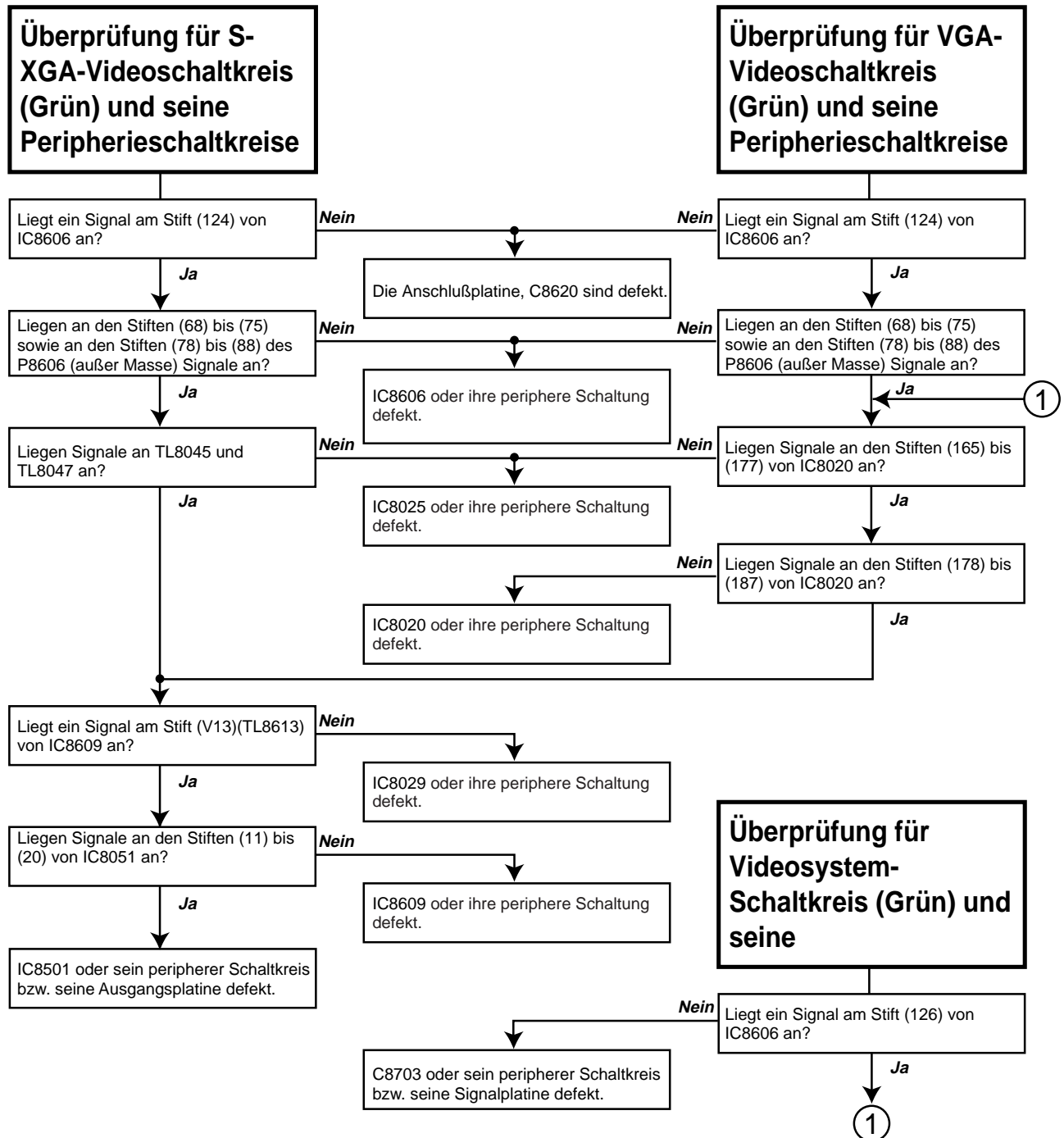
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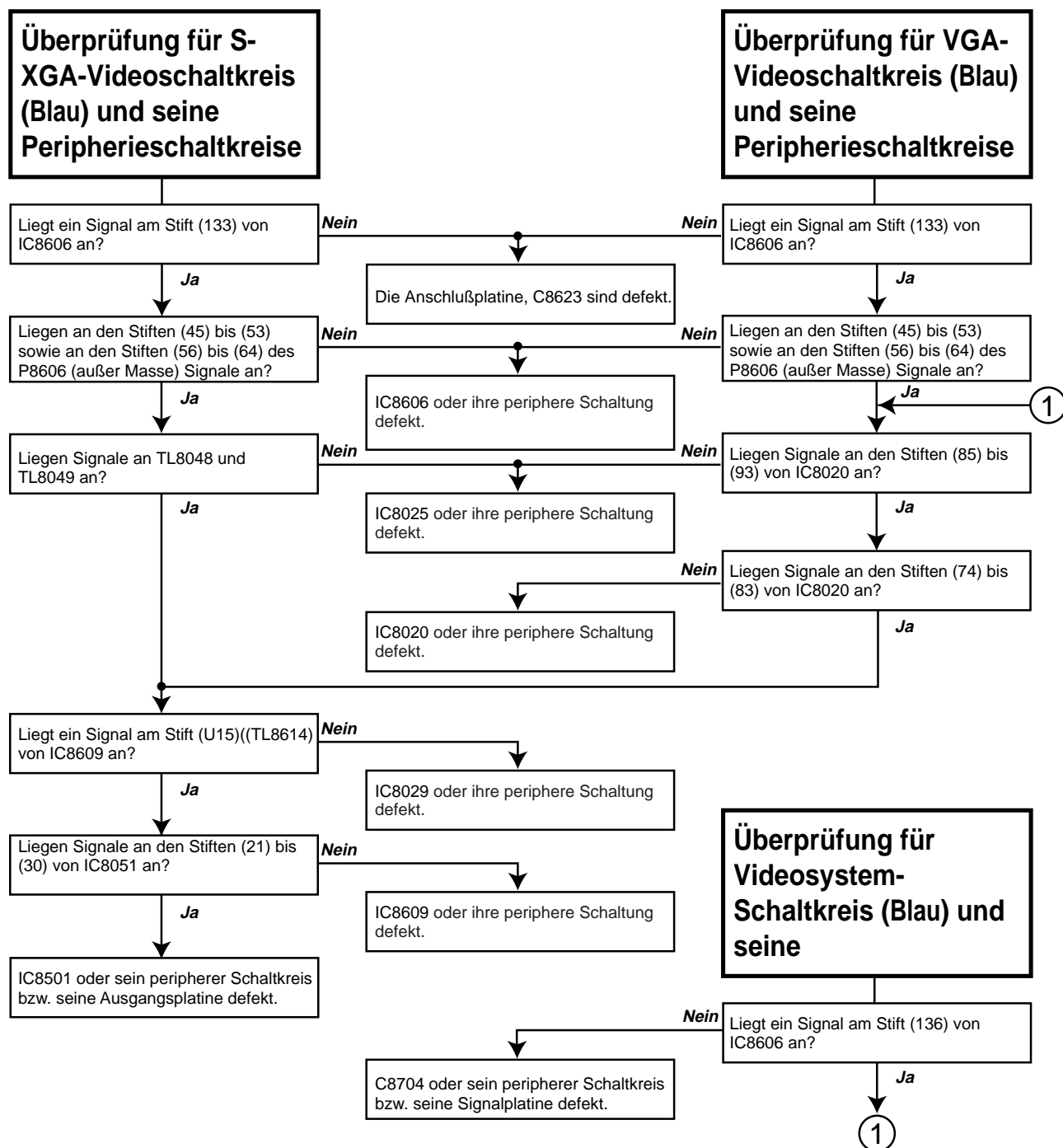
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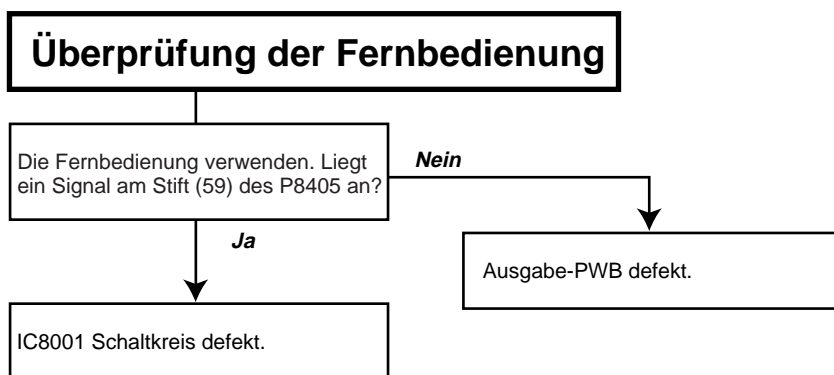
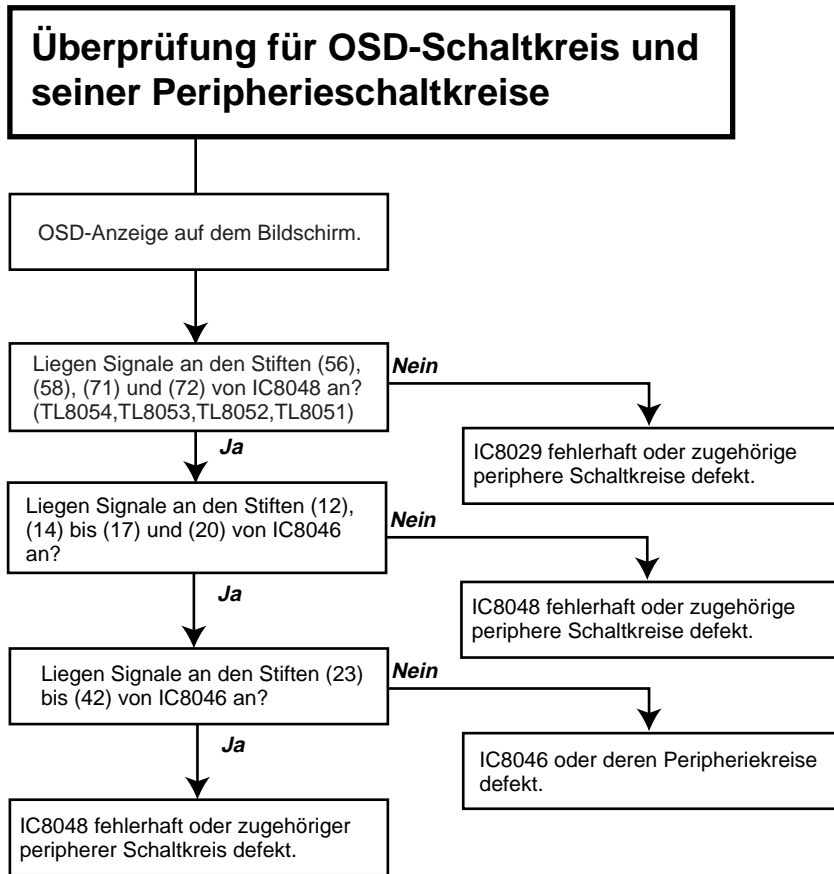
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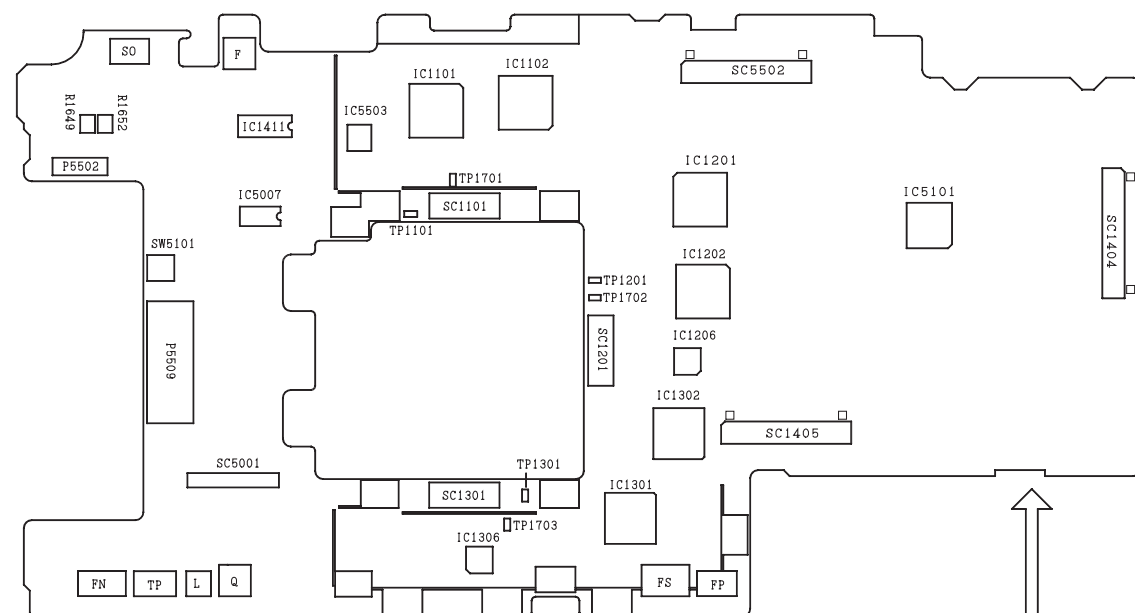
FEHLERSUCHTABELLE FÜR PC I/F EINHEIT-7



FEHLERSUCHTABELLE FÜR PC I/F EINHEIT-8



OUTPUT UNIT
DUNTKA694DE01/02



1 N

C 7 6 1

C 7 6 6

L 7 6 1

L 7 6 2

C 7 6 4

L 7 6 3

C 7 6 5

C 7 6 7

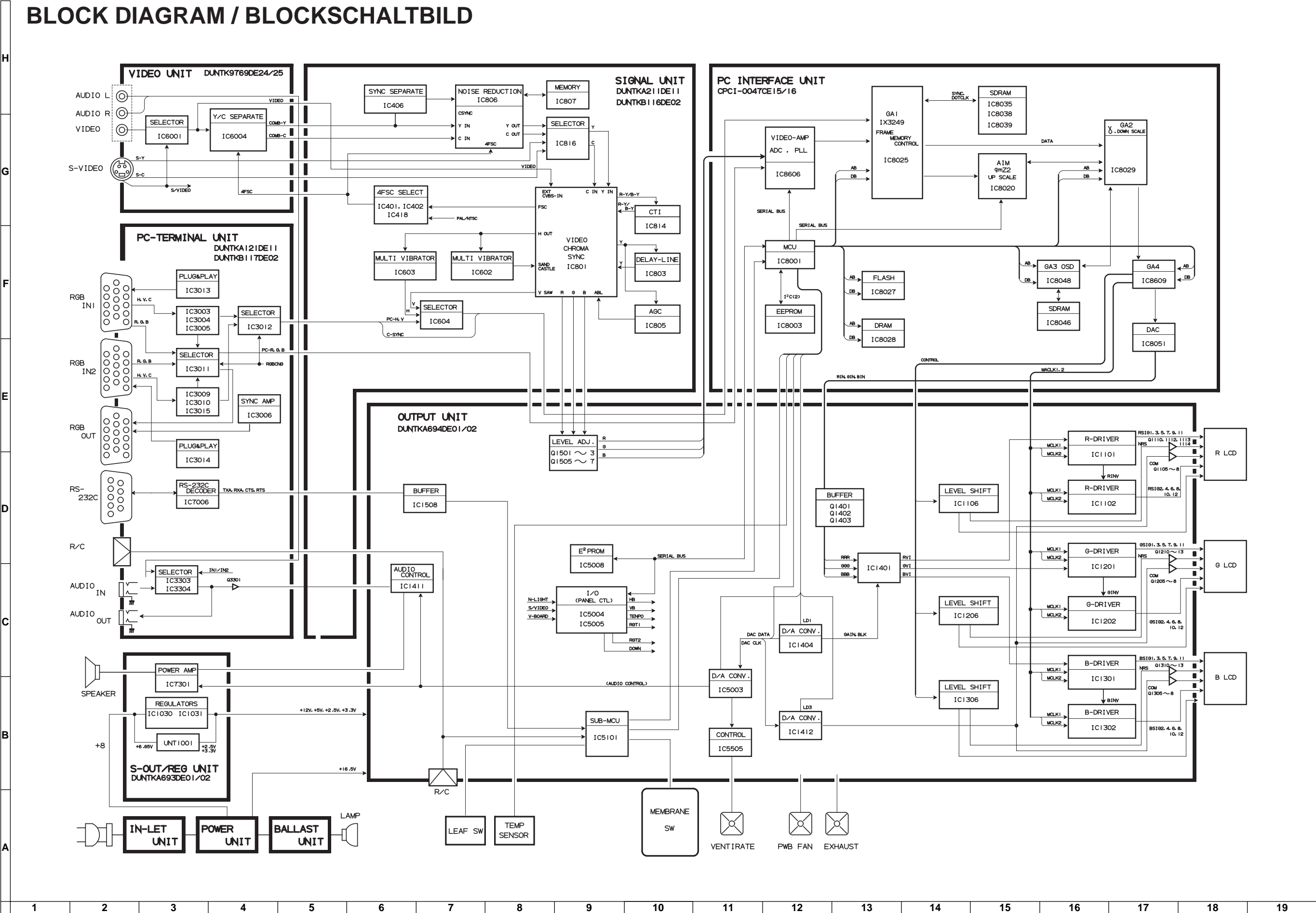
P P

F 7 6 1

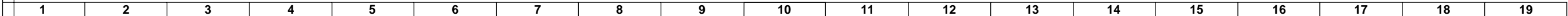
Diagram of the rear panel of the HP DesignJet 500C printer showing the locations of various components. A large arrow points to the left side of the panel. Components labeled include IC602, X802, X801, IC814, IC604, P1502, IC803, IC801, IC1001, IC805, P1501, IC807, IC816, and IC406.

A diagram of a 2D hexagonal lattice. Two sites are highlighted in red and labeled CN01 and CN02. CN01 is located at the top left, and CN02 is located at the bottom left. The lattice is composed of black lines forming a hexagonal pattern.

BLOCK DIAGRAM / BLOCKSCHALTBIKD



A	B	C	D	E	F	G	H
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DESCRIPTION OF SCHEMATIC DIAGRAM

VOLTAGE MEASUREMENT CONDITION:

1. Voltages at test points are measured at the supply voltage of AC 230V. Signals are fed by a colour bar signal generator for servicing purpose and the above voltages are measured with a 20k ohm/V tester.

WAVEFORM MEASUREMENT CONDITION:

1. Waveforms at test points are observed at the supply voltage of AC 230V. Signals are fed by a colour bar signal generator for servicing purpose.

INDICATION OF RESISTOR & CAPACITOR:

RESISTOR

1. The unit of resistance "Ω" is omitted.
(K=kΩ=1000 Ω, M=MΩ).
2. All resistors are ± 5%, unless otherwise noted.
(J= ± 5%, F= ± 1%, D= ± 0.5%)
3. All resistors are 1/16W, unless otherwise noted.
4. All resistors are Carbon type, unless otherwise noted.
 ©: Solid ®: Cement
 Ⓢ: Oxide Film ①: Special
 ⑨: Metal Coating

CAPACITOR

1. All capacitors are μF, unless otherwise noted.
(P=pF=μμF).
2. All capacitors are 50V, unless otherwise noted.
3. All capacitors are Ceramic type, unless otherwise noted.
 (ML): Mylar (TA): Tantalum
 (PF): Polypro Film (ST): Styrol

CAUTION:

This circuit diagram is original one, therefore there may be a slight difference from yours.

SAFETY NOTES:

1. **DISCONNECT THE AC PLUG FROM THE AC OUTLET BEFORE REPLACING PARTS.**
2. **SEMICONDUCTOR HEAT SINKS SHOULD BE REGARDED AS POTENTIAL SHOCK HAZARDS WHEN THE CHASSIS IS OPERATING.**

IMPORTANT SAFETY NOTICE:

PARTS MARKED WITH " ⚠ (■) ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

BESCHREIBUNG DES SCHEMATISCHEN SCHALTPLANS

SPANNUNGSMESSUNGEN:

1. Spannungen an den Prüfpunkten werden bei einer Netzspannung von 230V gemessen, Signale werden für die Wartung mit einem Farbbalken-Signal generator zugeführt, und Spannungen werden mit einem Meßinstrument (20 kΩ/V) ermittelt.

SIGNALFORMMESSUNGEN:

1. Die Wellenformen an den Testpunkten werden bei einer Netzspannung von 230V verfolgt. Signale werden für die Wartung mit einem Farbbalken-Signal generator zugeführt.

BEZEICHNUNG DES WIDERSTANDS UND KONDENSATORS:

WIDERSTAND

1. Die Widerstandseinheit "Ω" wird weggelassen.
(K=kΩ=1000 Ω, M=MΩ).
2. Alle Widerstände haben ± 5%, sofern nicht anders angegeben.
(J= ± 5%, F= ± 1%, D= ± 0.5%)
3. Alle Widerstände haben 1/16W, sofern nicht anders angegeben.
4. Alle Widerstände sind Kohletyp, sofern nicht anders angegeben.
 ©: Fest ®: Zement
 Ⓢ: Oxidefilm ①: Spezial
 ⑨: Metallüberzug

KONDENSATOR

1. Die Kapazitätseinheit ist μF, sofern nicht anders angegeben.
(P=pF=μμF).
2. Alle Kondensatoren haben 50V, sofern nicht anders angegeben.
3. Alle Kondensatoren sind Keramiktyp, sofern nicht anders angegeben.
 (ML): Mylar (TA): Tantal
 (PF): Polyprofilm (ST): Styrol

ACHTUNG:

bei diesem Schaltplan handelt es sich um den ursprünglichen. Es können daher geringfügige Unterschiede zu dem Ihrem bestehen.

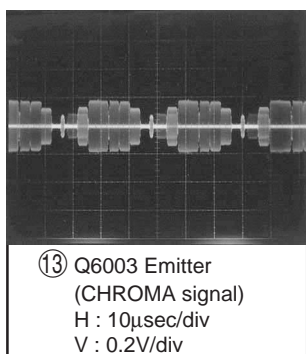
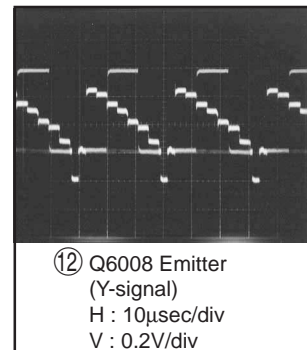
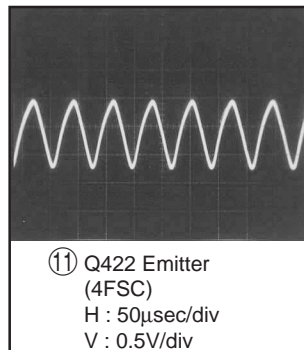
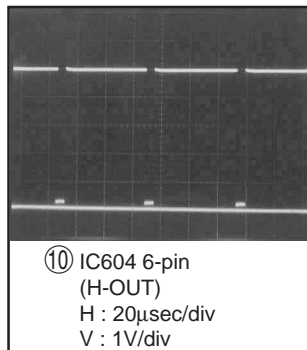
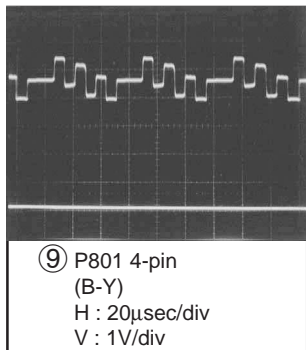
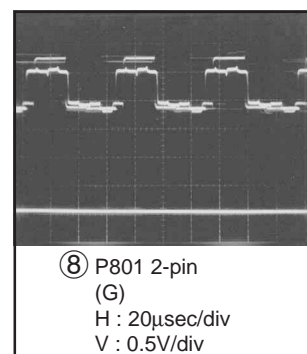
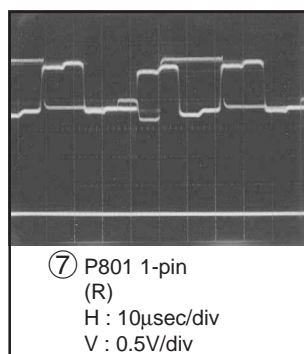
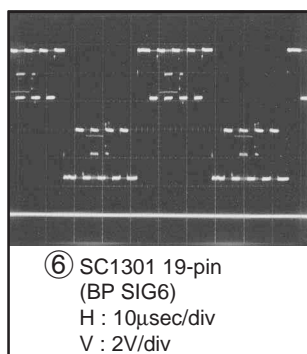
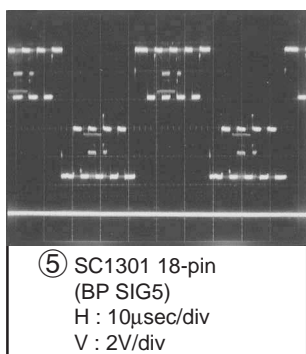
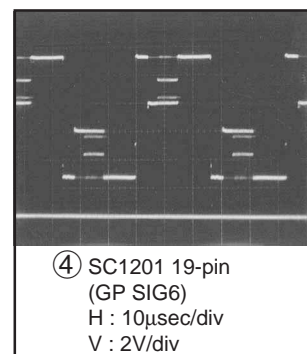
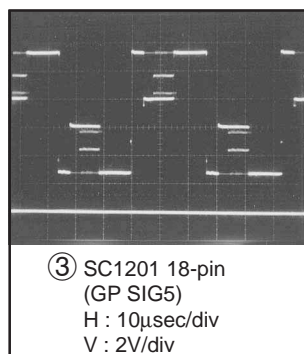
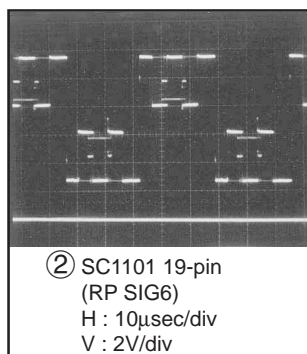
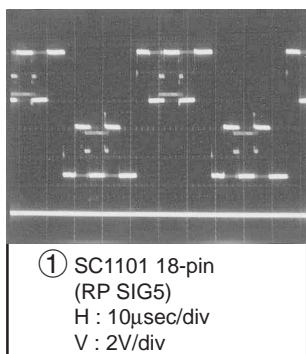
SICHERHEITSANMERKUNGEN:

1. **VOR DEM AUSWECHSELN VON TEILEN MUSS UNBEDINGT NETZSTECKER AUS DER NETZSTECKDOSE GEZOGEN WERDEN.**
2. **DIE WARMEABLEITER DER HALBLEITER SOLLTEN BEIM BETRIEB DES CHASSIS ALS MÖGLICHE URSACHEN VON GEFÄHRLICHEN ELEKTRISCHEN SCHLÄGEN BETRACHTET WERDEN.**

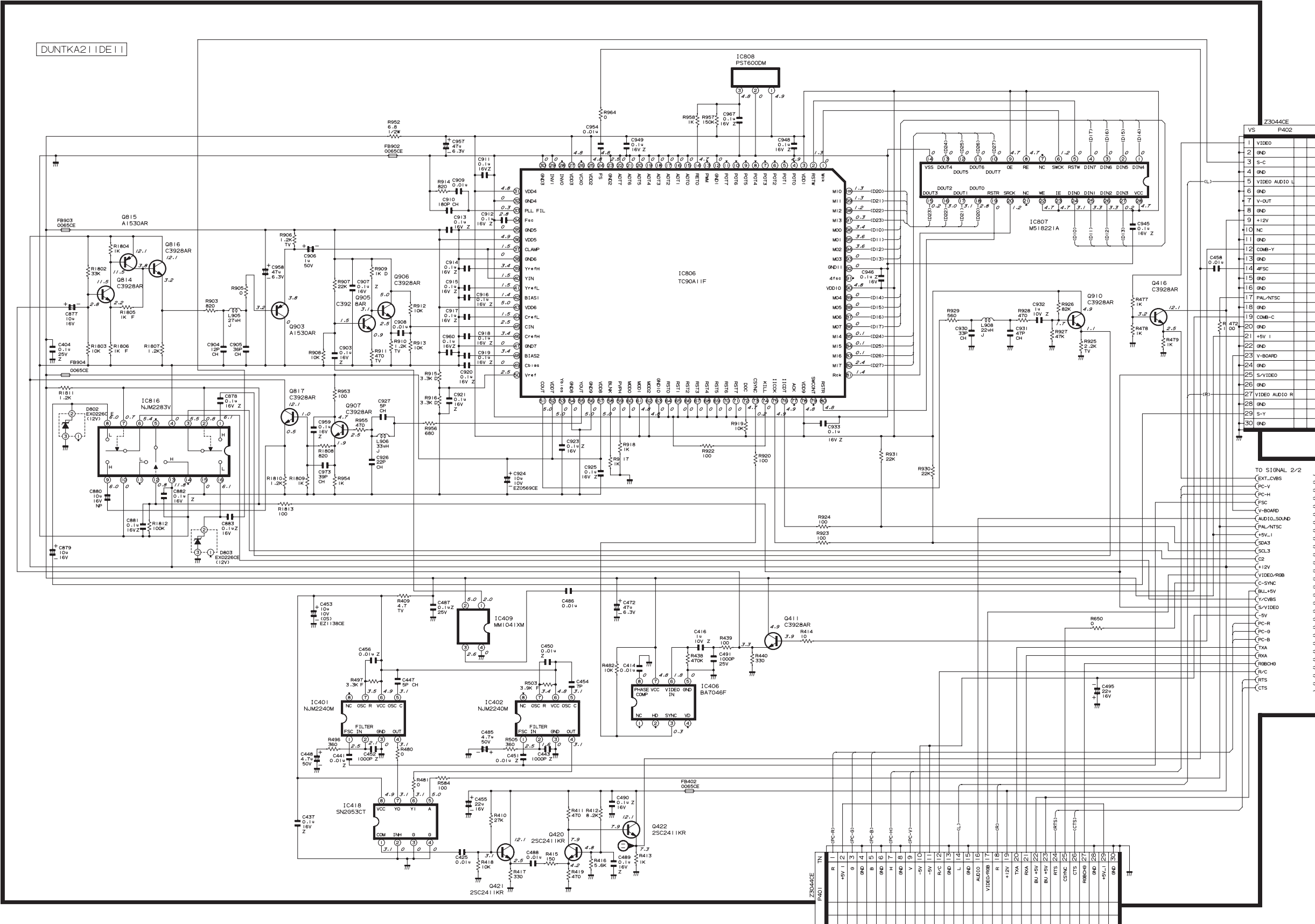
WICHTIGE SICHERHEITSANMERKUNGEN:

MIT " ⚠ (■) BEZEICHNETEN TEILE SIND BESONDERS WICHTIG FÜR DIE AUFRECHTERHALTUNG DER SICHERHEIT. BEIM WECHSELN DIESER TEILE SOLLTEN DIE VORGESCHRIEBENEN TEILE IMMER VERWENDET WERDEN, UM SOWOHL DIE SICHERHEIT ALS AUCH DIE LEISTUNG DES GERÄTES AUFRECHTZUERHALTEN.

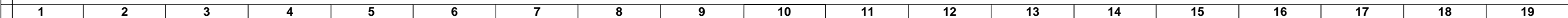
WAVEFORMS / WELLENFORMEN



SIGNAL UNIT-1/2 / SIGNALEINHEIT-1/2(XG-C40XU)

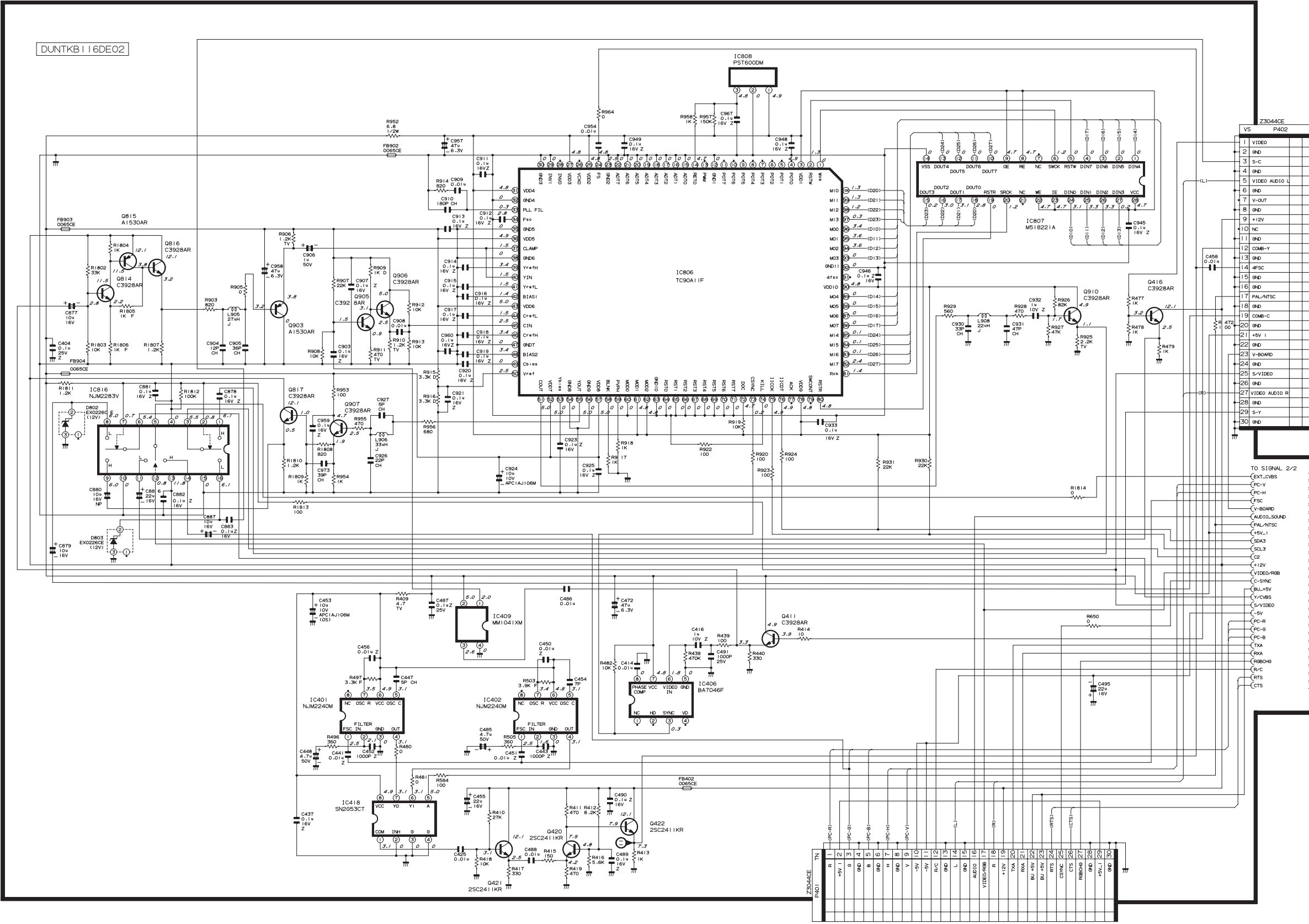


A
B
C
D
E
F
G
H



SIGNAL UNIT-1/2 / SIGNALEINHEIT-1/2(XG-C40XE)

H
G
F
E
D
C
B
A



VS	P402
1	VIDEO
2	ND
3	S-C
4	ND
5	VIDEO AUDIO L
6	ND
7	V-OUT
8	ND
9	+12V
10	NC
11	ND
12	COMB-Y
13	ND
14	AFSC
15	ND
16	ND
17	PAL/NTSC
18	ND
19	COMB-C
20	ND
21	+5V I
22	ND
23	V-BORDER
24	ND
25	S/VIDEO
26	ND
27	VIDEO AUDIO R
28	ND
29	S-Y
30	ND

TO SIGNAL 2/2

(EXT.)C.VBS

PC-V

PC-H

FSC

Y-BOARD

AUDIO-SOUND

PAL/NTSC

4H-1

SDA3

SDA3

C2

+12V

CVIDEO/RGB

C-SYNC

BUL+5V

CVIDEO

S/VIDEO

C-SV

PC-R

PC-B

TXA

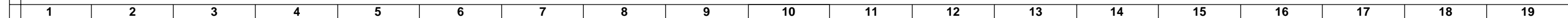
RGBCH0

R/C

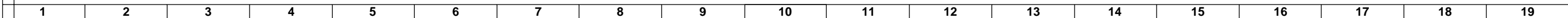
RTS

CTS

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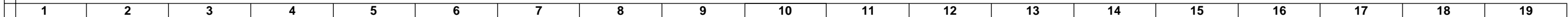
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111

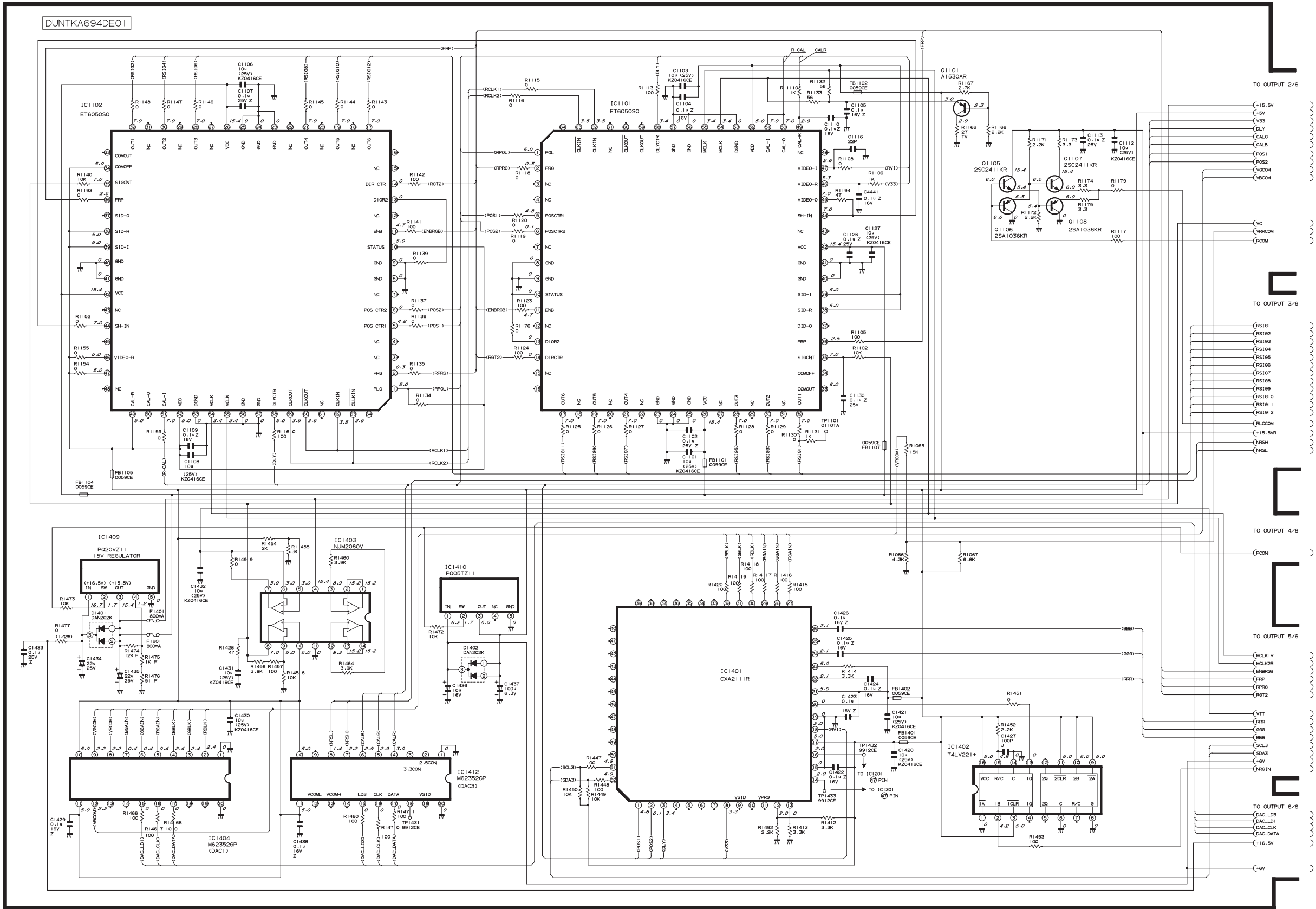


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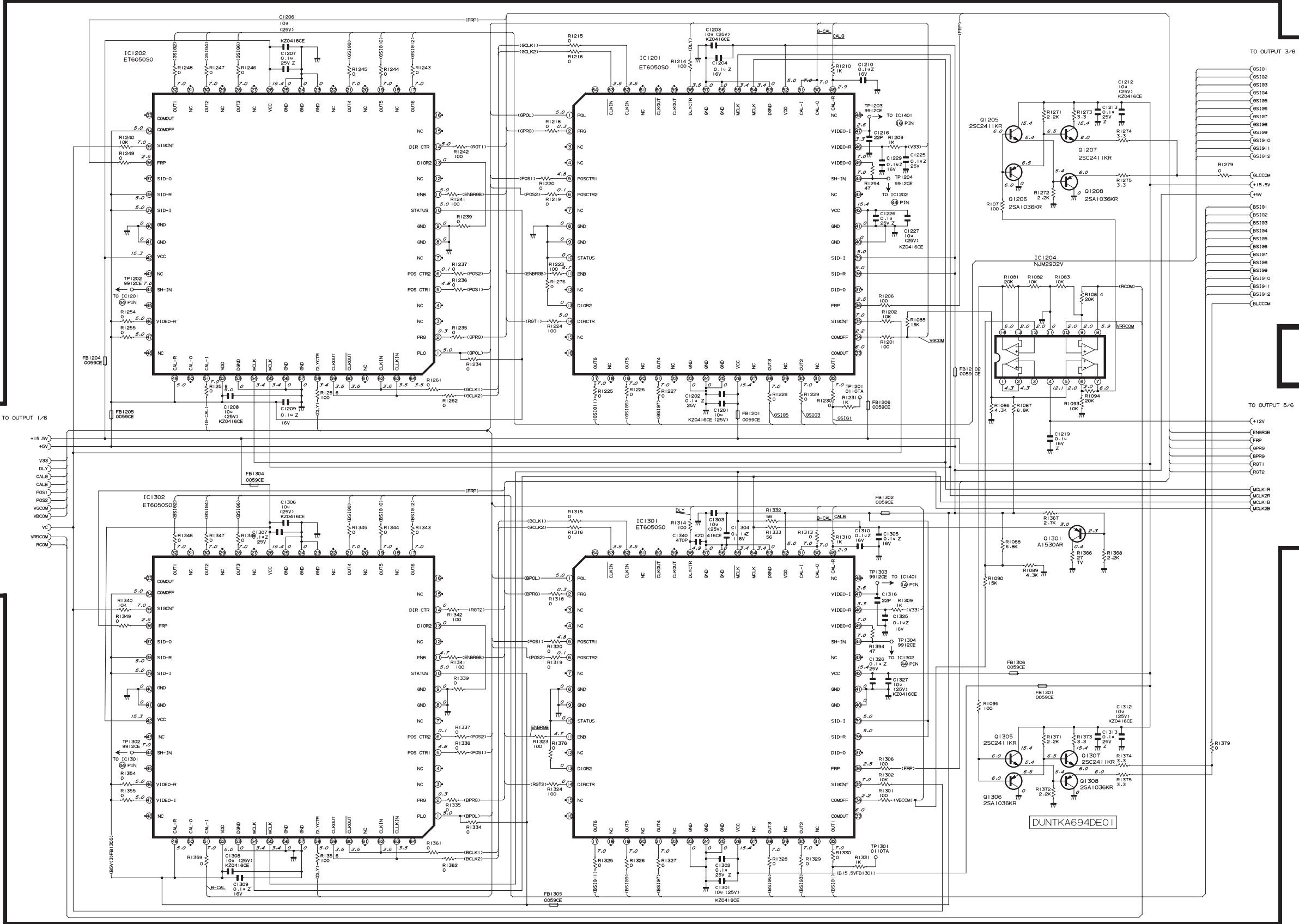
OUTPUT UNIT-1/6 / AUSGABEEINHEIT-1/6

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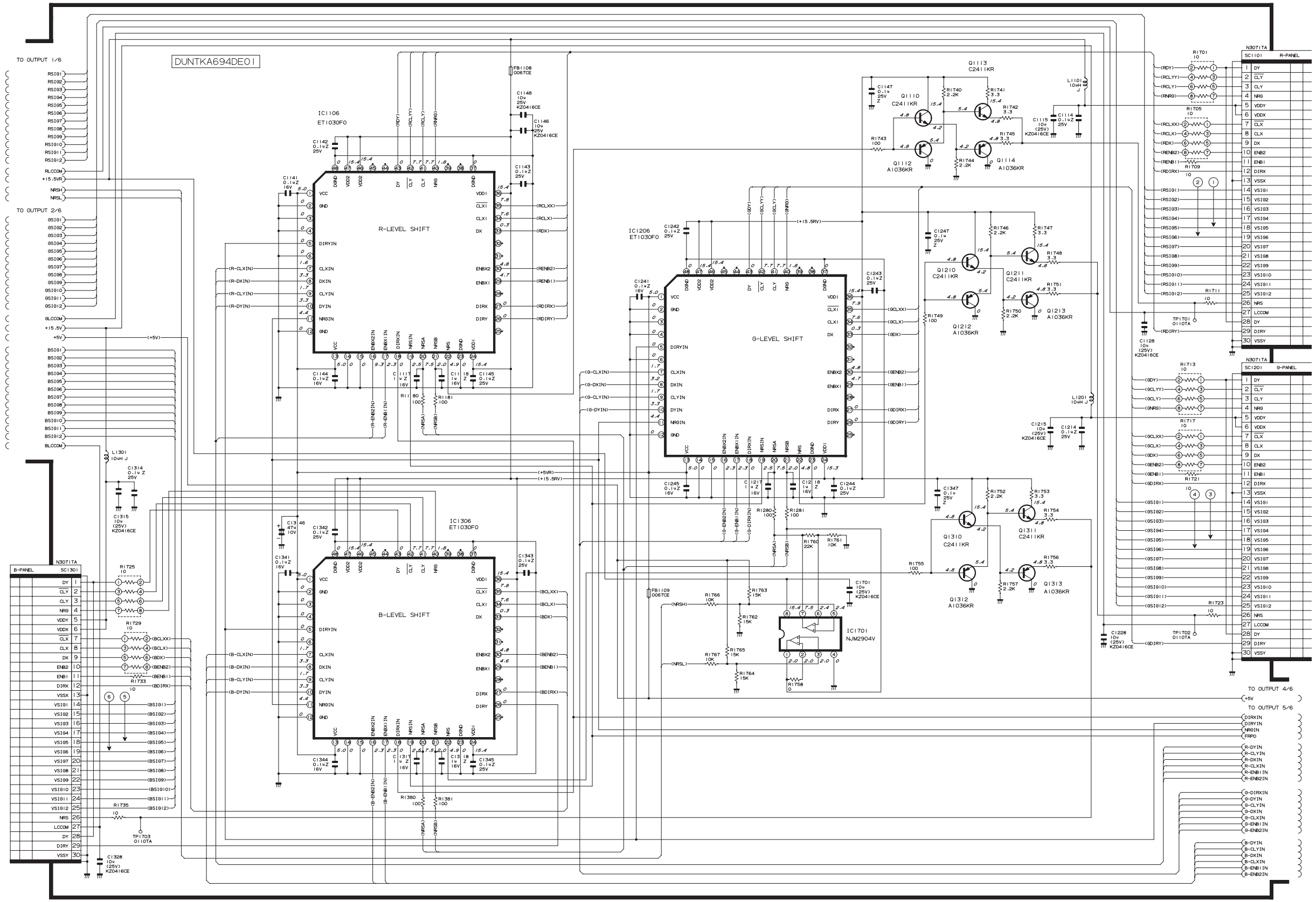
OUTPUT UNIT-2/6 / AUSGABEEINHEIT-2/6

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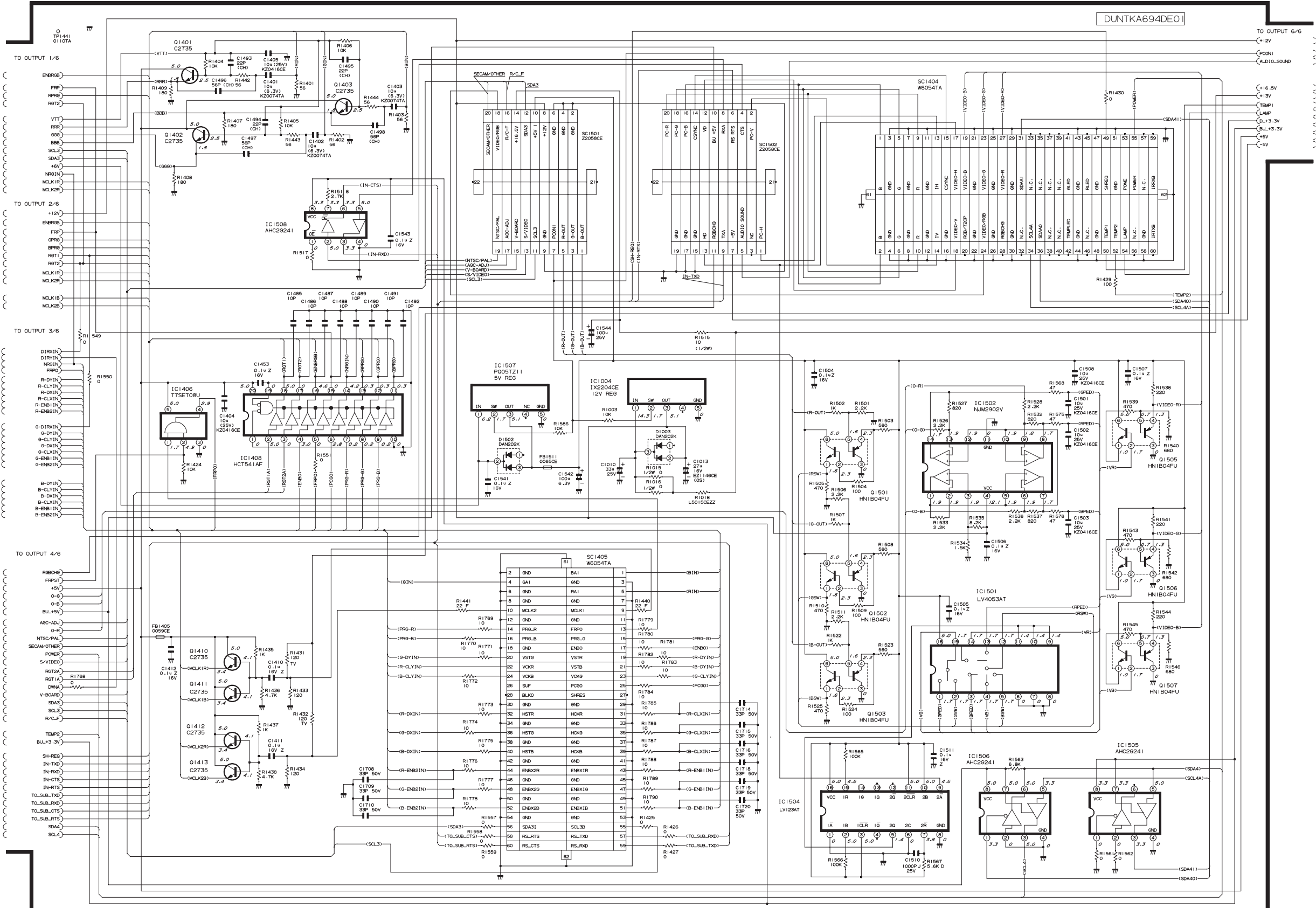
OUTPUT UNIT-3/6 / AUSGABEEINHEIT-3/6

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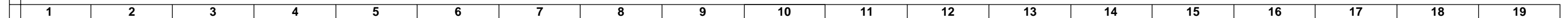


OUTPUT UNIT-5/6 / AUSGABEEINHEIT-5/6

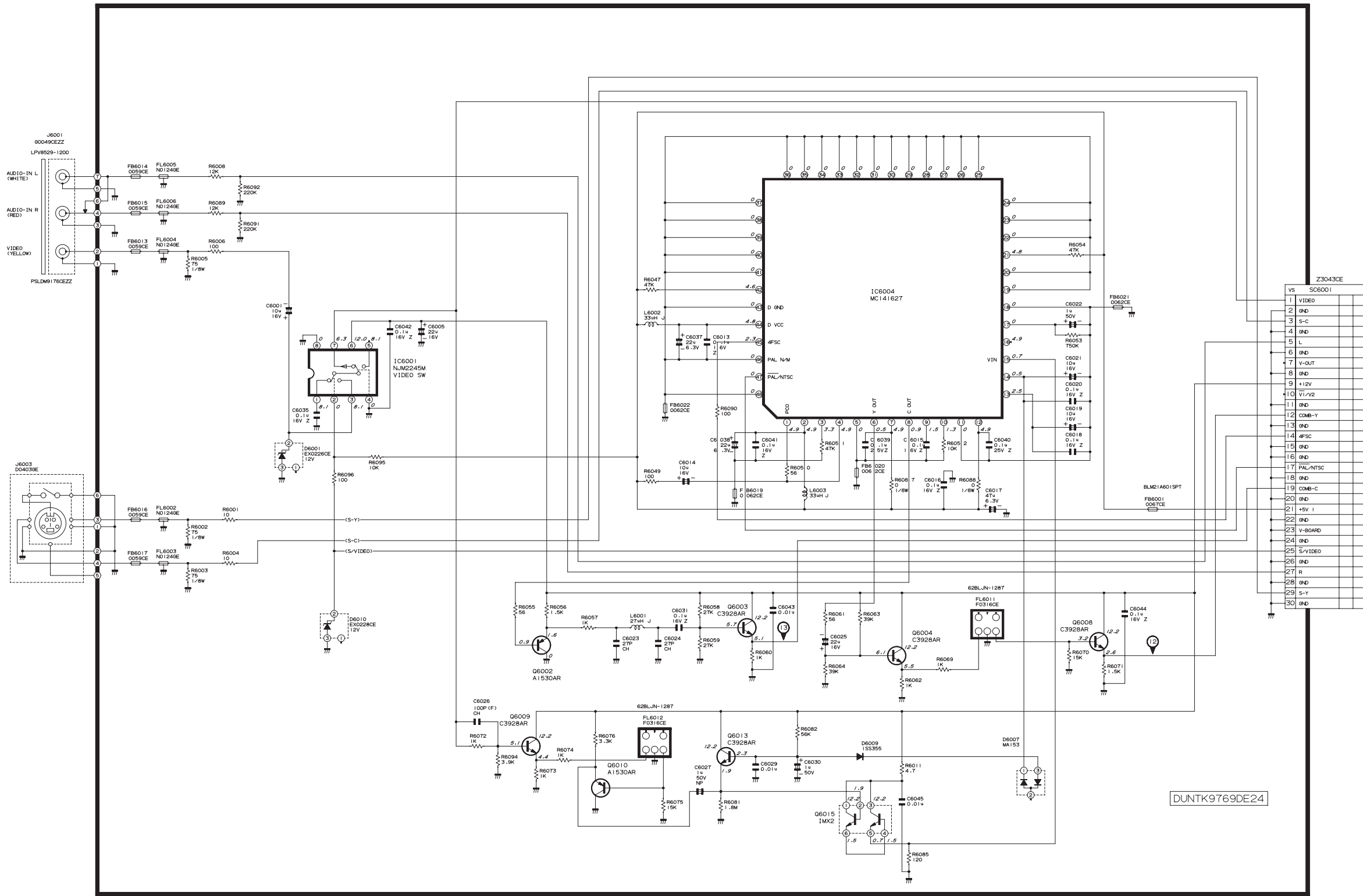
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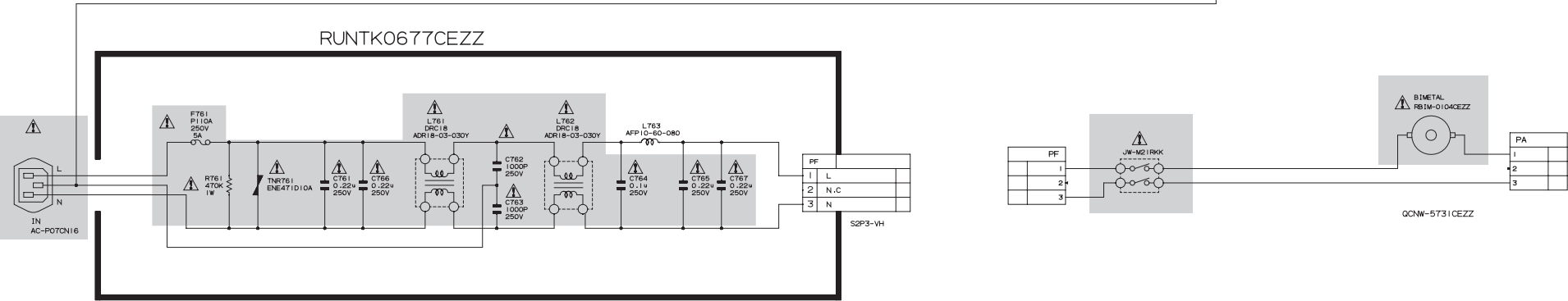
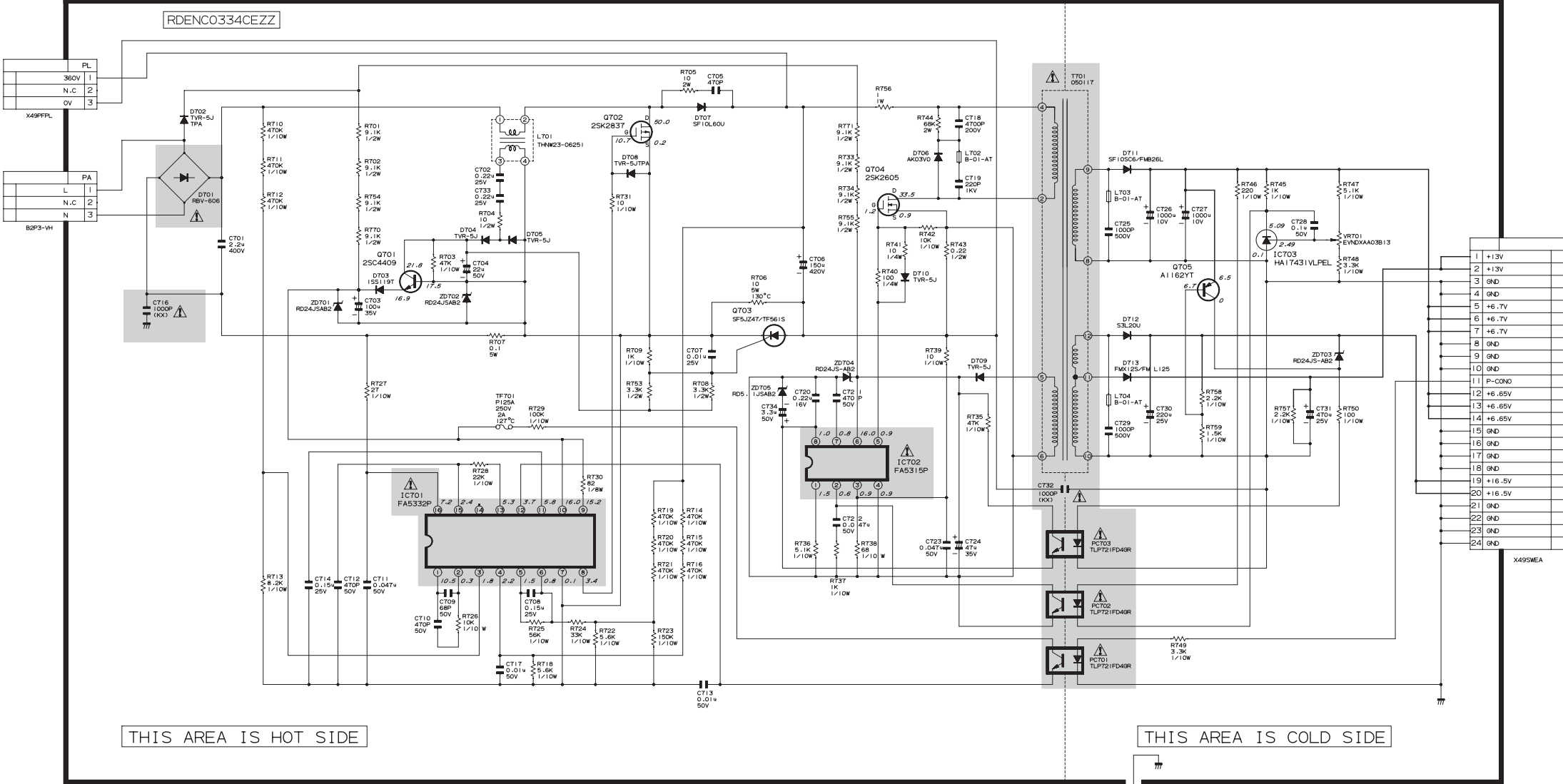
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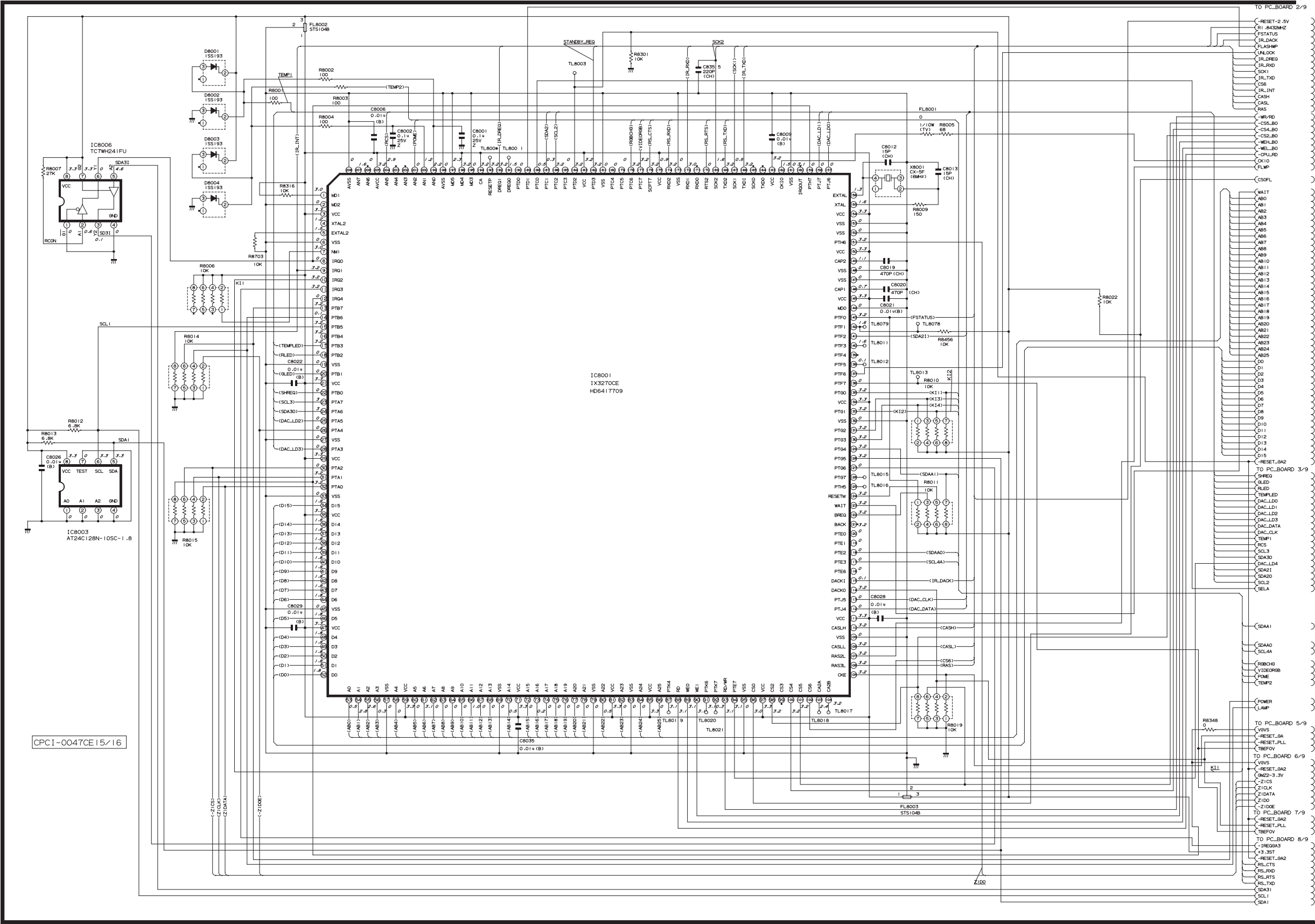
VIDEO UNIT / VIDEOEINHEIT



POWER and INLET UNIT / NETZ-und EINGANGSEINHEIT

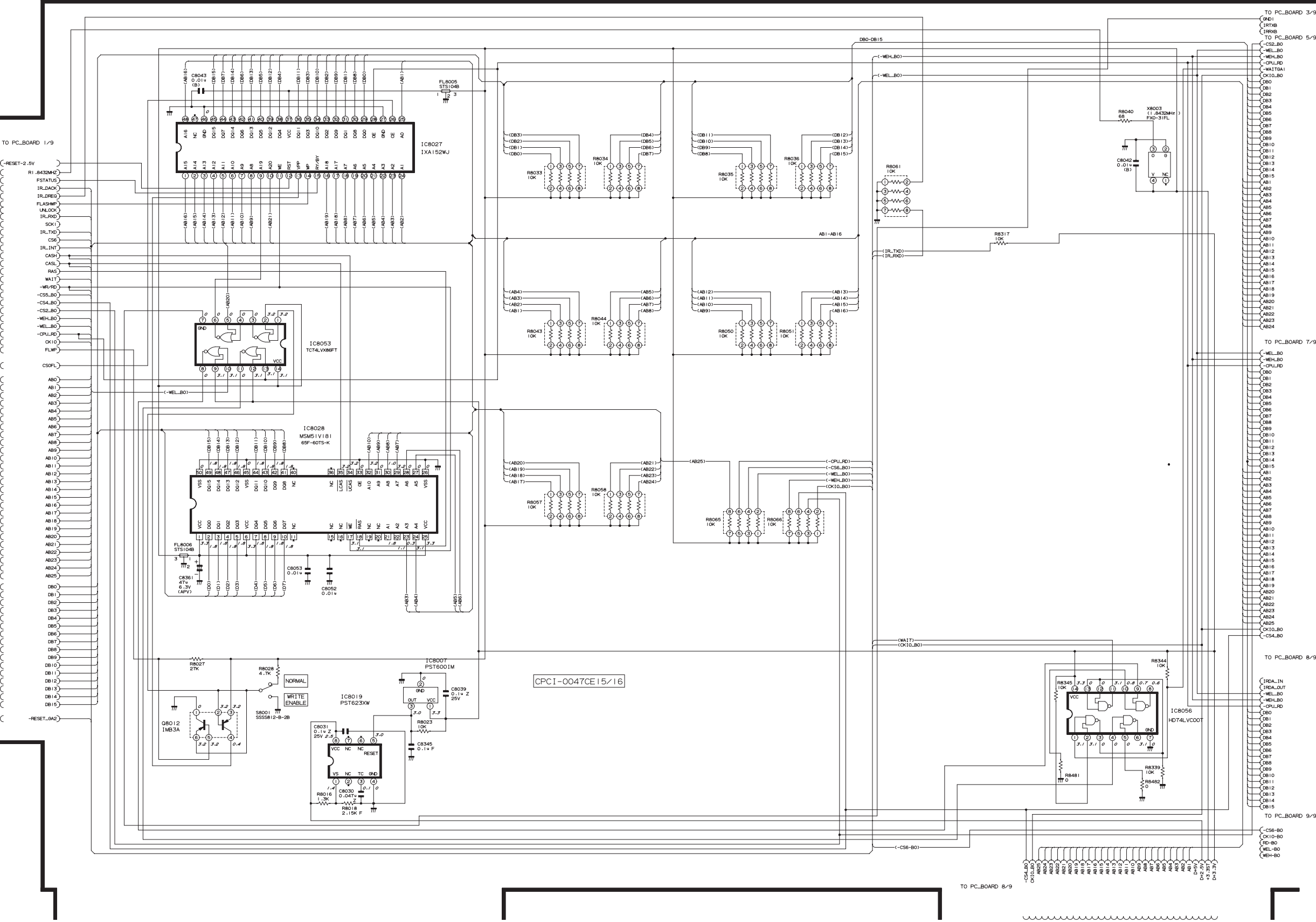


PC I/F UNIT-1/9 / PC-I/F EINHEIT-1/9

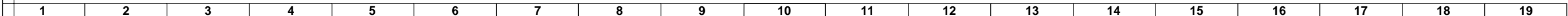


PC I/F UNIT-2/9 / PC-I/F EINHEIT-2/9

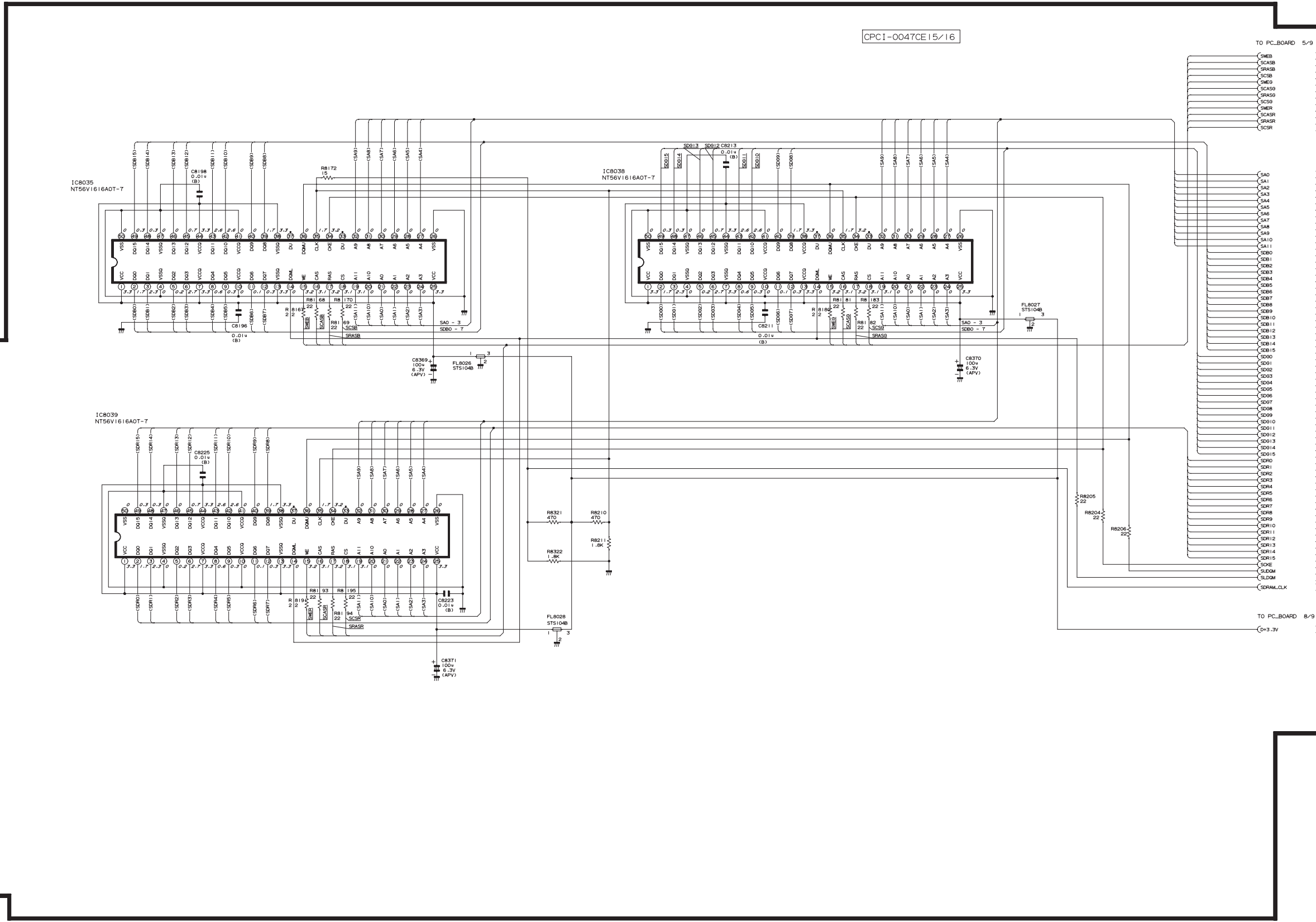
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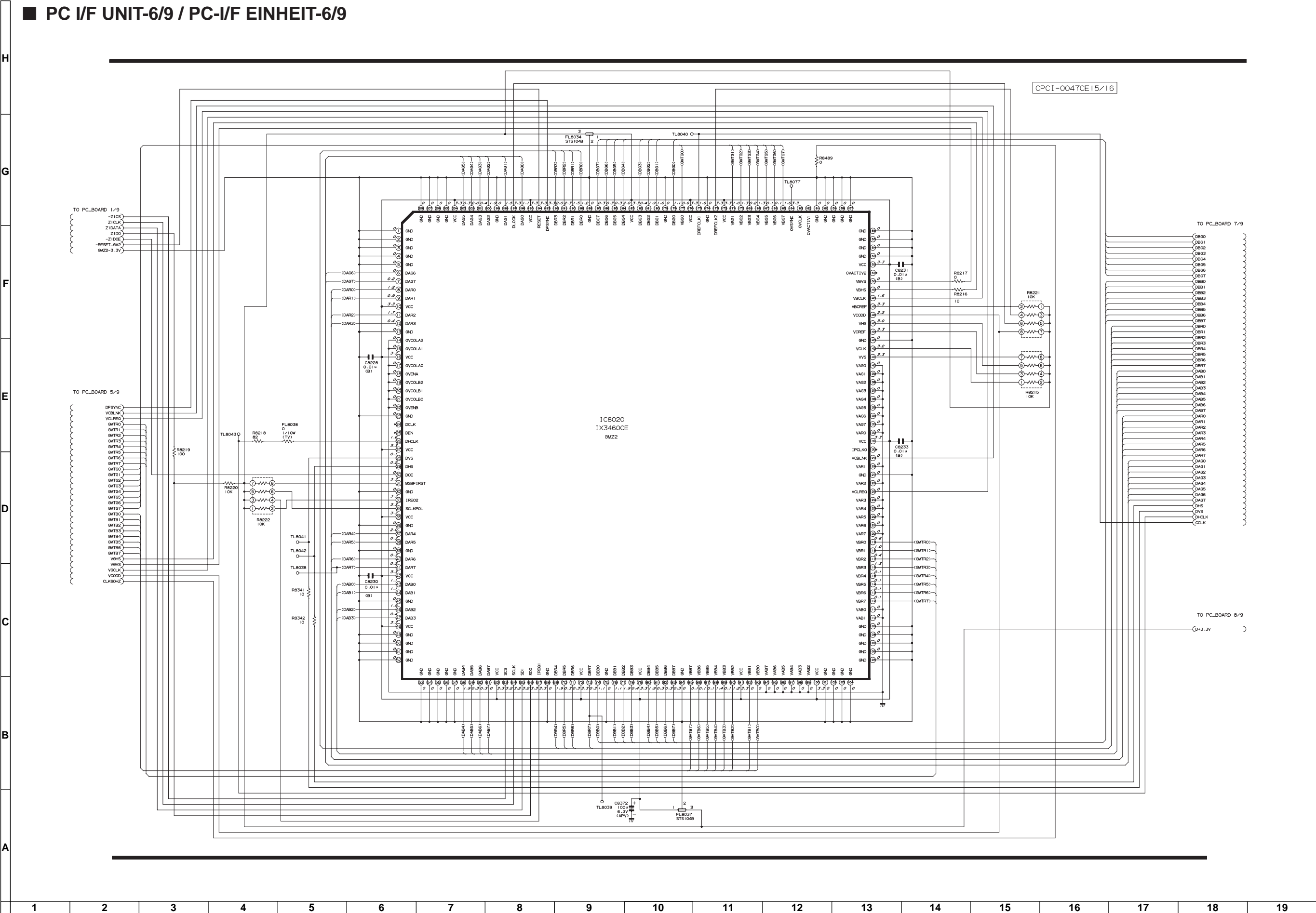
137



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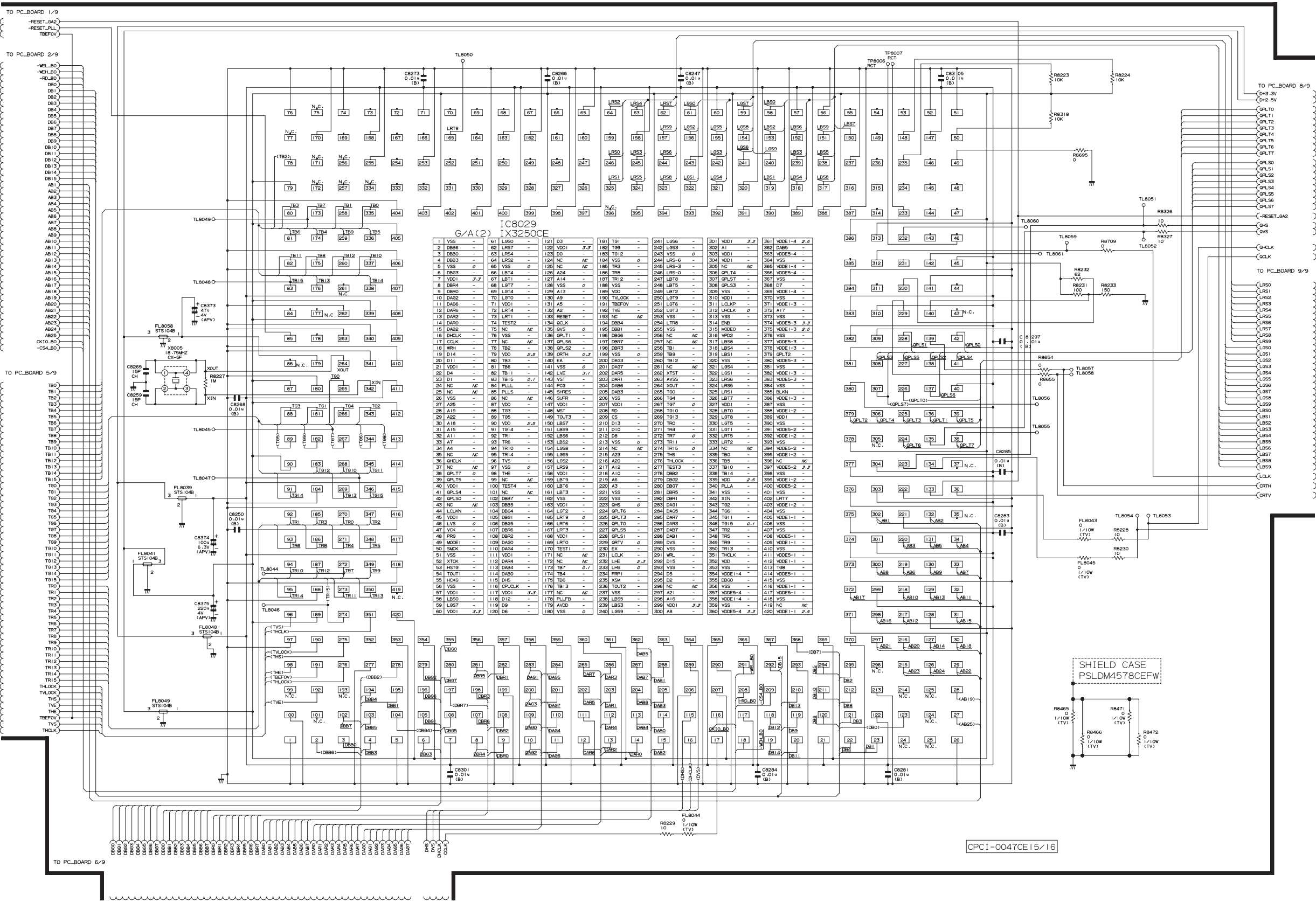


PC I/F UNIT-6/9 / PC-I/F EINHEIT-6/9



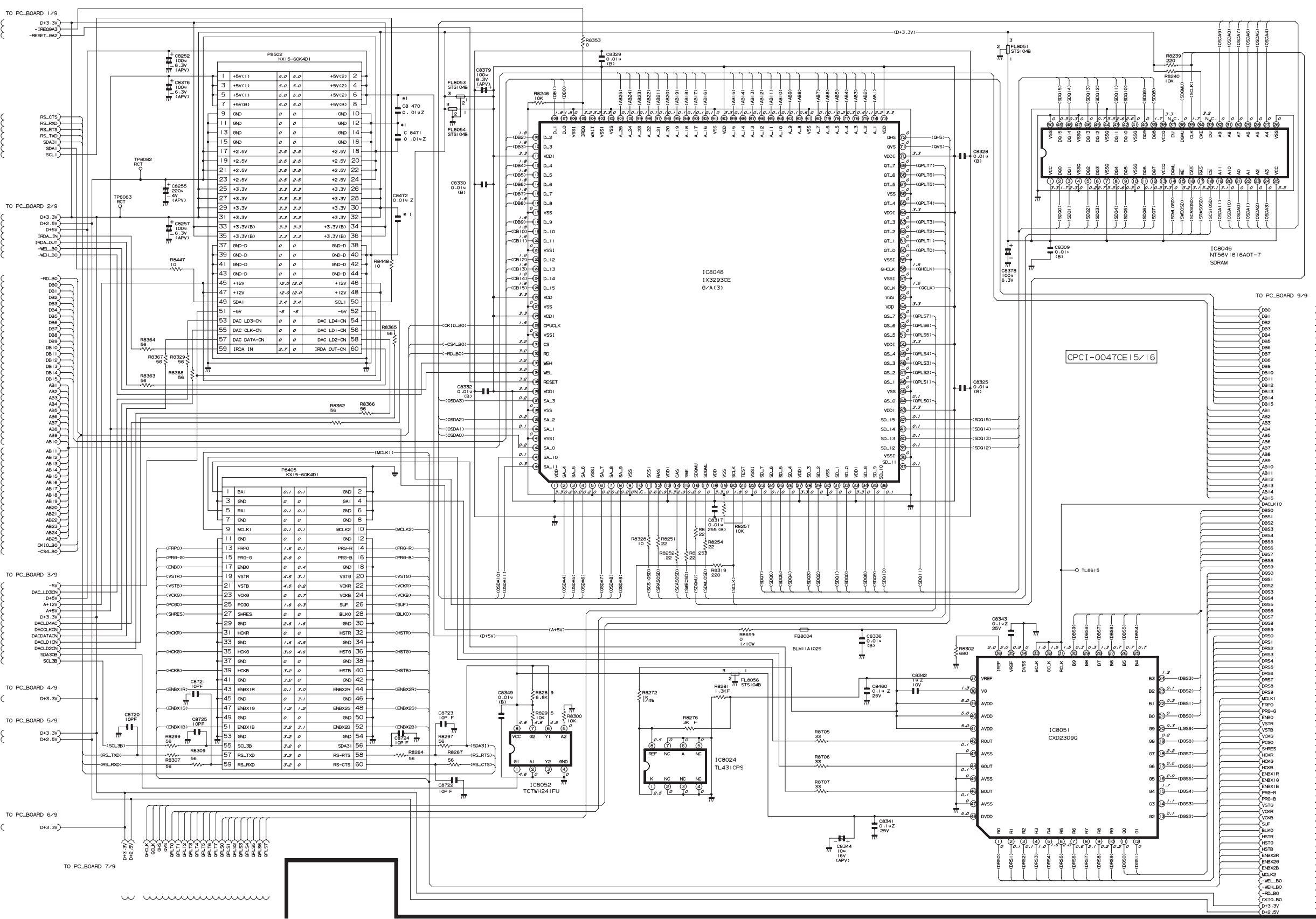
PC I/F UNIT-7/9 / PC-I/F EINHEIT-7/9

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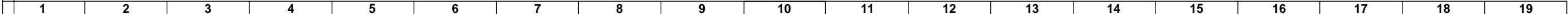


PC I/F UNIT-8/9 / PC-I/F EINHEIT-8/9

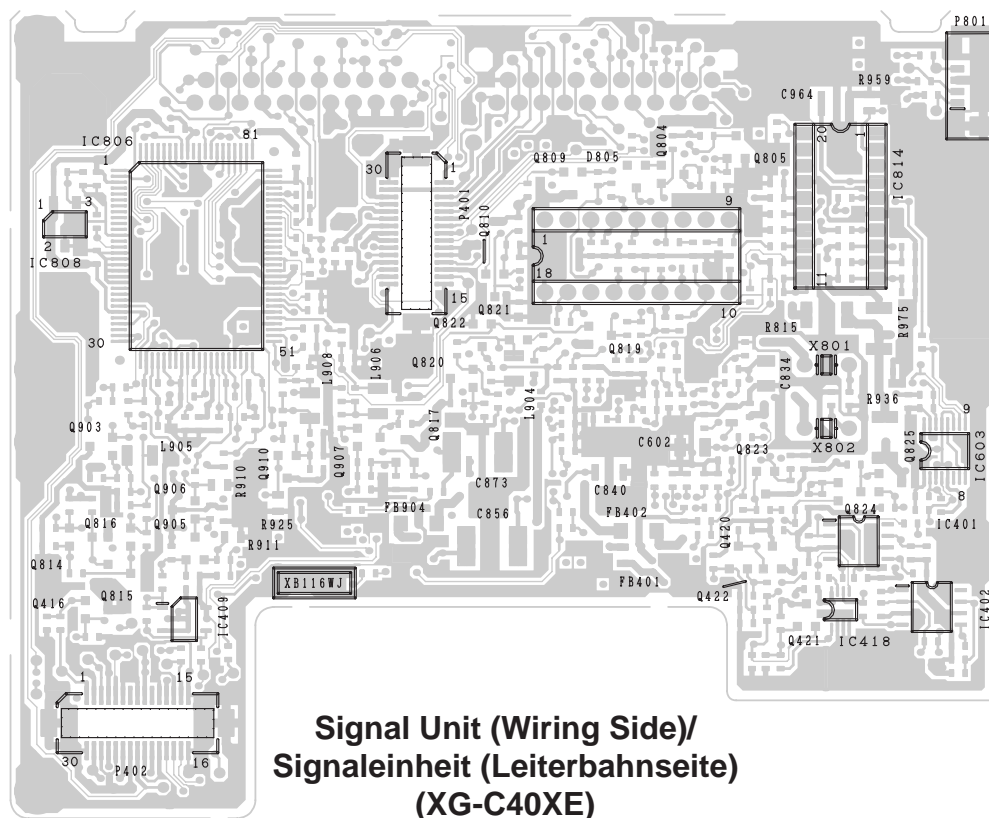
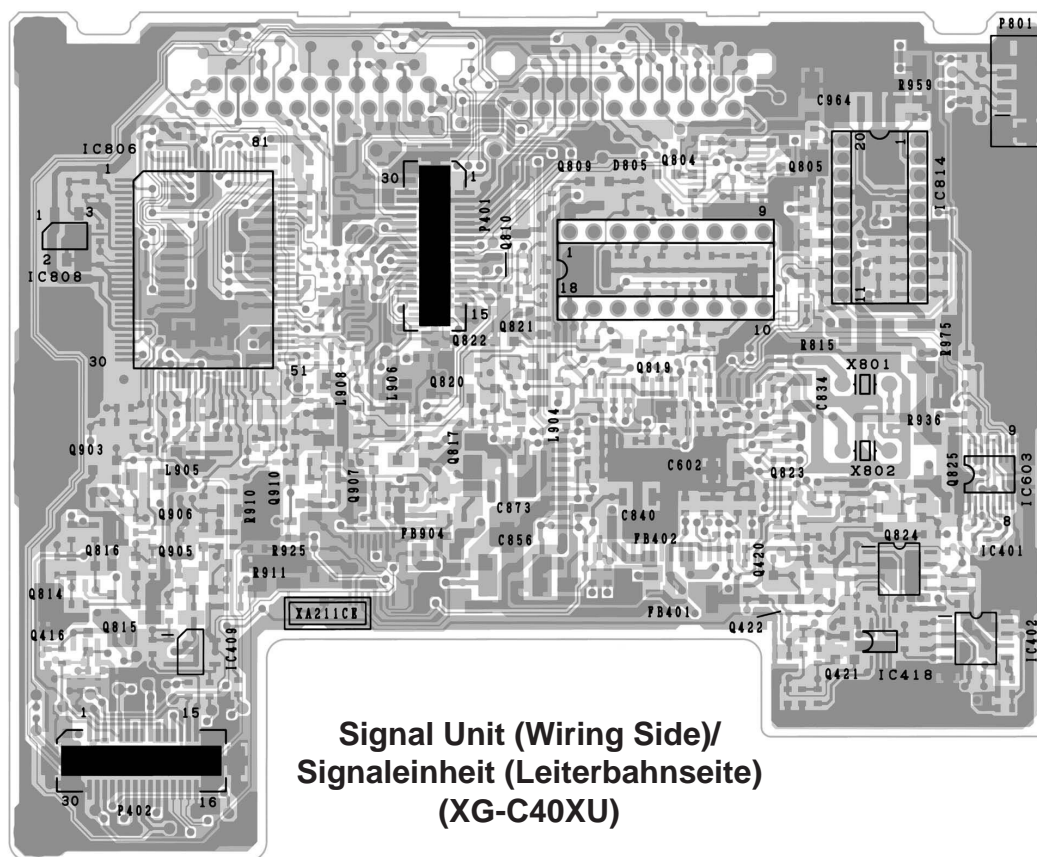
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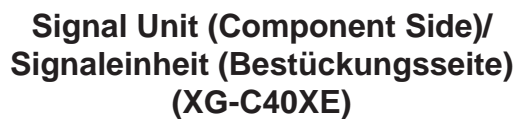


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PRINTED WIRING BOARD ASSEMBLIES/ LEITERPLATTENEINHEITEN





H

G

F

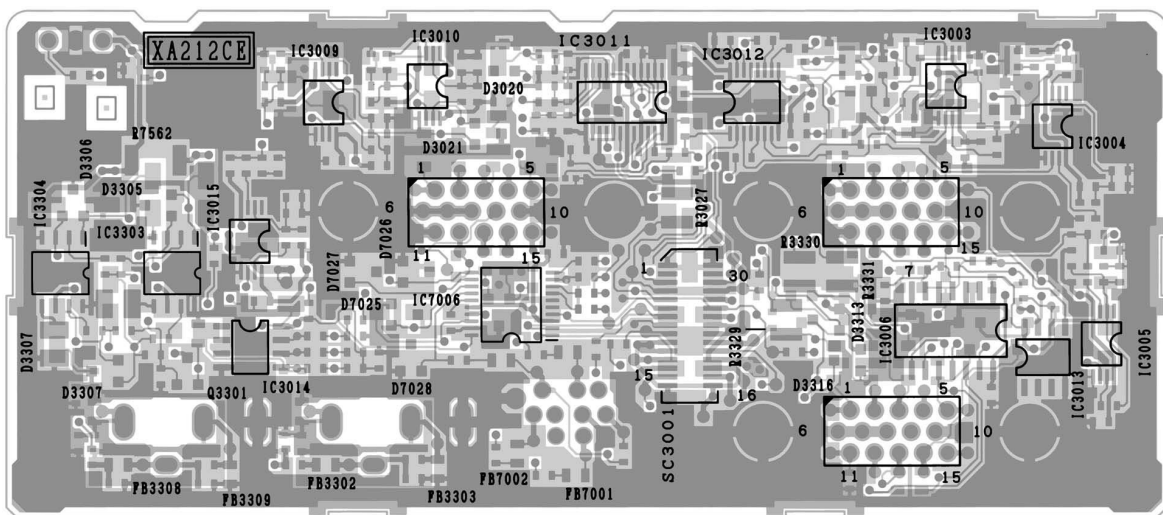
E

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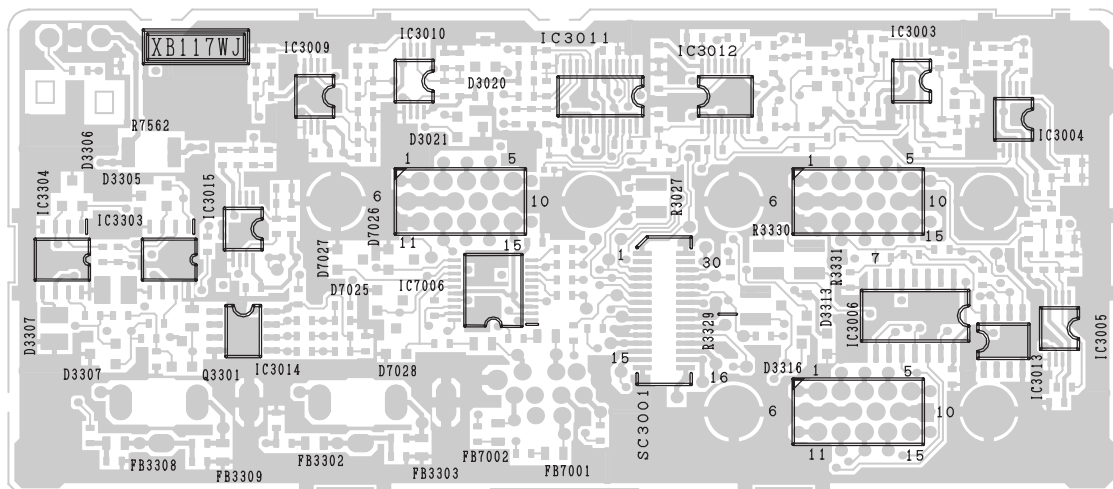
C

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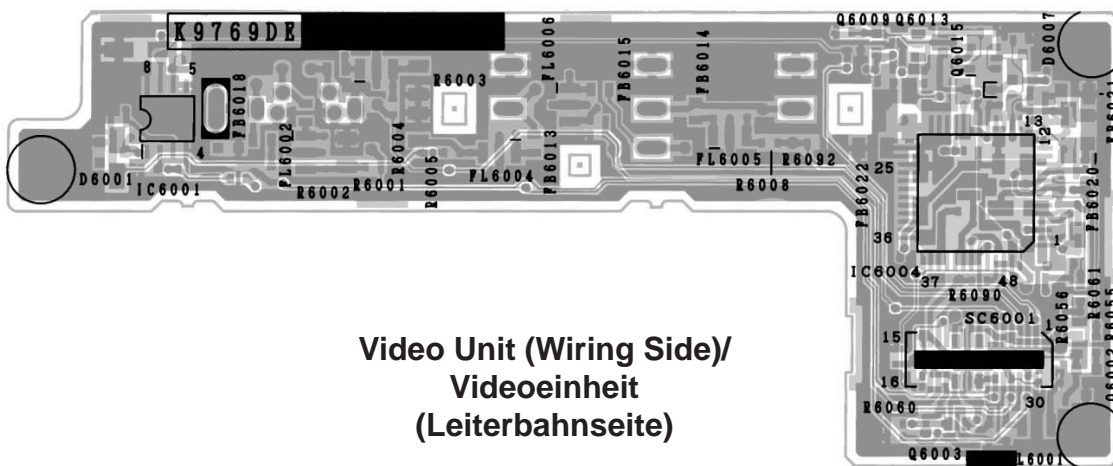
A



**PC Terminal Unit (Wiring Side)/
PC-Anschlußeinheit (Leiterbahnseite)
(XG-C40XU)**



**PC Terminal Unit (Wiring Side)/
PC-Anschlußeinheit (Leiterbahnseite)
(XG-C40XE)**



**Video Unit (Wiring Side)/
Videoeinheit
(Leiterbahnseite)**

1

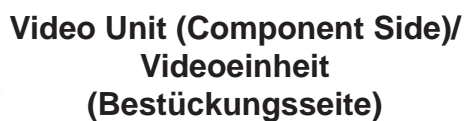
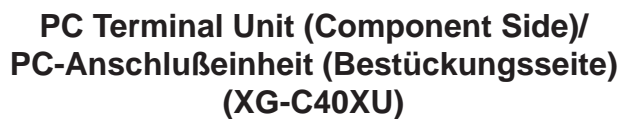
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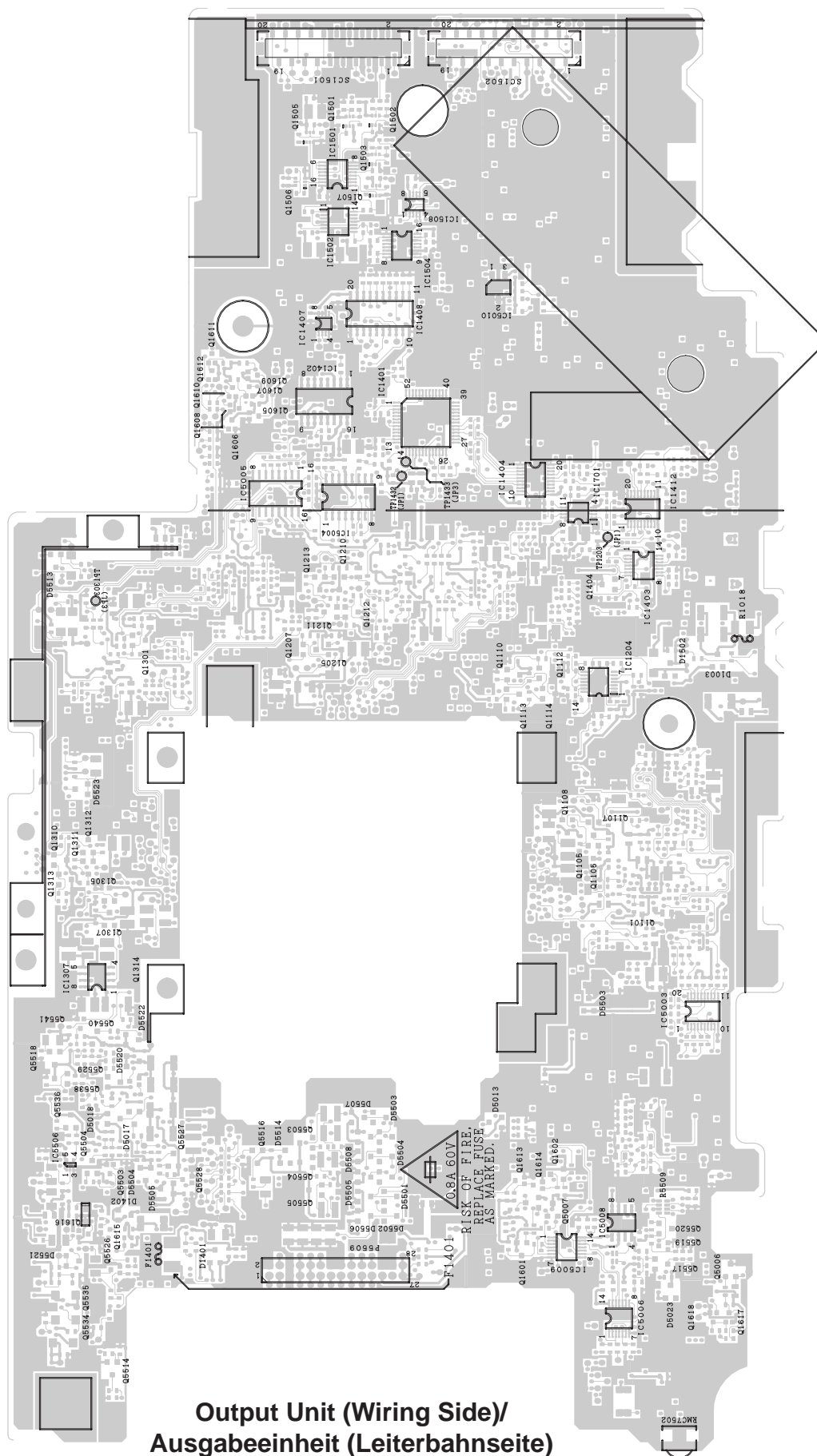
E

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Output Unit (Wiring Side)/
Ausgabeeinheit (Leiterbahnseite)

1

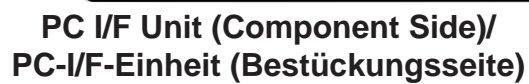
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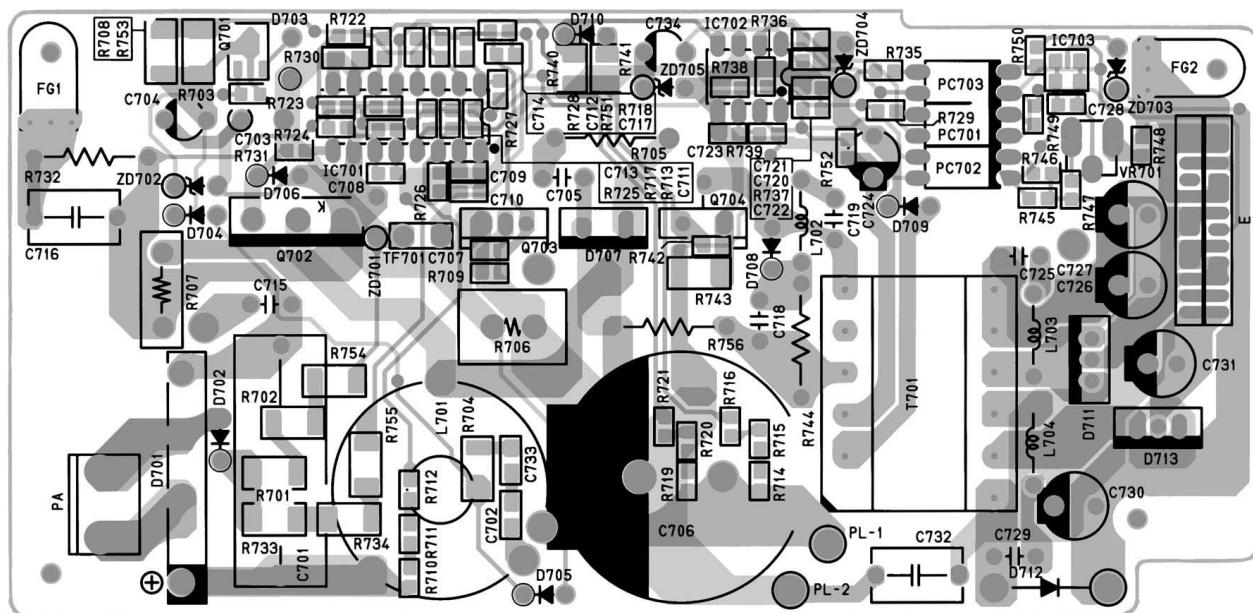
E

D

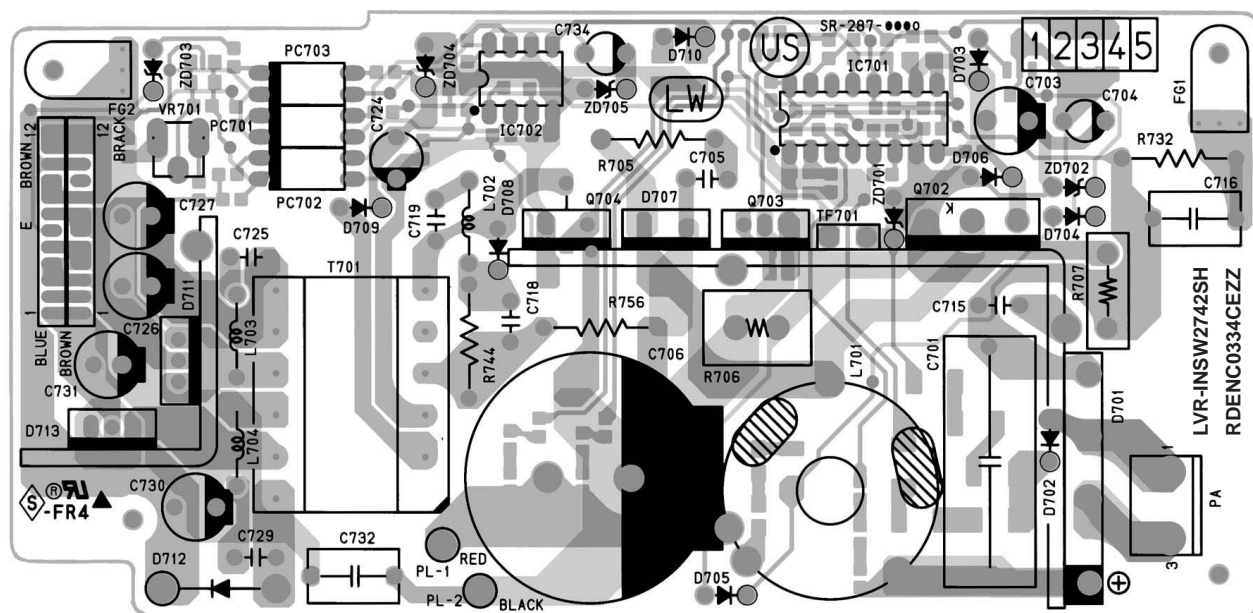
C

B

A



Power Unit (Wiring Side)/
Netzeinheit (Leiterbahnseite)



Power Unit (Component Side)/
Netzeinheit (Bestückungsseite)

1

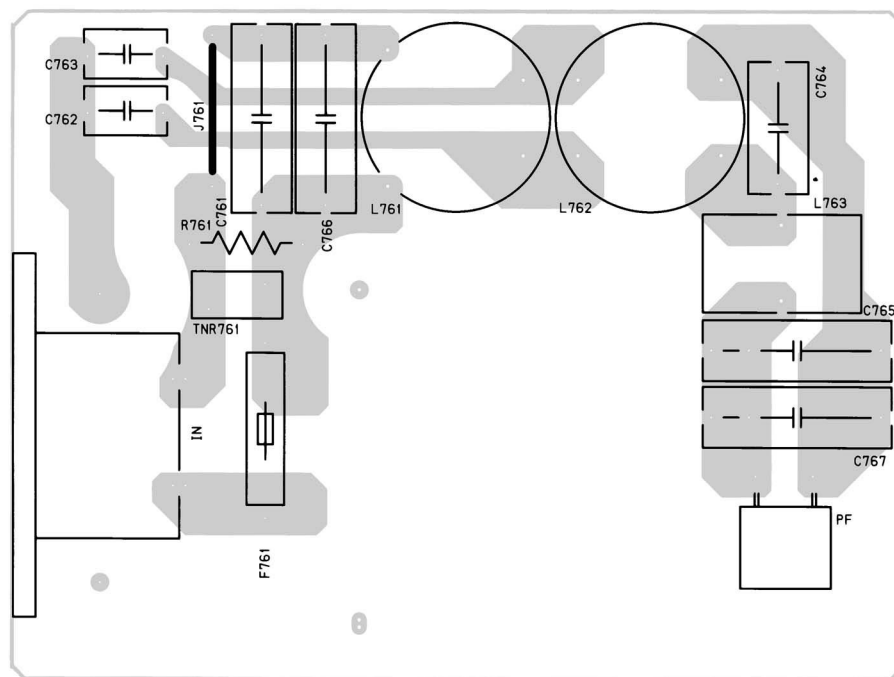
2

3

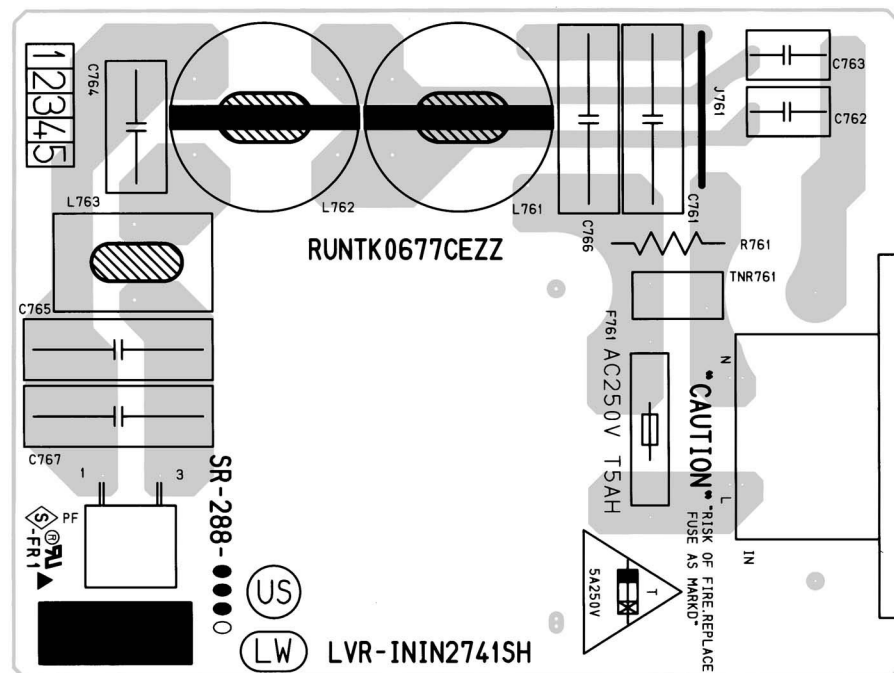
4

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6



**Inlet Unit (Wiring Side)/
Eingangseinheit (Leiterbahnseite)**



**Inlet Unit (Component Side)/
Eingangseinheit (Bestückungsseite)**

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PARTS LIST

PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual: electrical components having such features are identified by "△" in the Replacement Parts Lists.

The use of a substitute replacement part which does not have the same safety characteristics as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

- | | |
|-----------------|----------------|
| 1. MODEL NUMBER | 2. REF. NO. |
| 3. PART NO. | 4. DESCRIPTION |
| 5. CODE | 6. QUANTITY |

★ MARK : SPARE PARTS-DELIVERY SECTION

Ref. No.	Part No.	★	Description	Code
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LCD PANELS

NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.

RLCDP0141CEZZ	J	LCD Module Unit, Red	CT
RLCDP0142CEZZ	J	LCD Module Unit, Green	CT
RLCDP0143CEZZ	J	LCD Module Unit, Blue	CT

PRINTED WIRING BOARD ASSEMBLIES (NOT REPLACEMENT ITEM)

XG-C40XU

DUNTKA211DE11	—	Signal Unit	—
DUNTKA212DE11	—	PC Terminal Unit	—
DUNTKA693FE01	—	S-Out/Regulator Unit	—
DUNTKA694FE01	—	Output Unit	—
DUNT9769DE24	—	Video Unit	—
RUNTK0677CEZZ	—	AC Inlet Unit	—
RDENC0334CEZZ	—	Power Unit	—
CPCi-0047CE15	—	PC I/F Unit	—
RDENC0333CEZZ	J	Ballast Unit (Unit Replacement Item)	AE
PFiLD0076CEZZ	J	Remote Mouse Receiver	BM

XG-C40XE

DUNTKB116DE02	—	Signal Unit	—
DUNTKB117DE02	—	PC Terminal Unit	—
DUNTKA693FE02	—	S-Out/Regulator Unit	—
DUNTKA694FE02	—	Output Unit	—
DUNT9769DE25	—	Video Unit	—
RUNTK0677CEZZ	—	AC Inlet Unit	—
RDENC0334CEZZ	—	Power Unit	—
CPCi-0047CE16	—	PC I/F Unit	—
RDENC0333CEZZ	J	Ballast Unit (Unit Replacement Item)	AE

ERSATZTEILLISTE

AUSTAUSCH VON TEILEN

Ersatzteile, die besondere Sicherheitseigenschaften haben, sind in dieser Anleitung markiert. Elektrische Komponenten mit solchen Eigenschaften sind in den Ersatzteil durch "△" gekennzeichnet.

Der Gebrauch von Ersatzteilen, die nicht dieselben Sicherheitseigenschaften haben wie die vom Hersteller empfohlenen und in der Bedienungsanleitung angegebenen, können zur Ursache von Blitzeinschlägen, Bränden und anderen Gefahren werden.

"WIE MAN ERSATZTEILE BESTELLT"

Damit Ihre Bestellung prompt und korrekt ausgeführt wird, geben Sie bitte folgende Informationen.

- | | |
|-------------------|-----------------|
| 1. MODELL NR. | 2. REF. NR. |
| 3. ERSATZTEIL NR. | 4. BESCHREIBUNG |
| 5. KODE | 6. QUANTITÄT |

★ MARKIERUNG : ERSATZTEILE-LIEFERUNG

Ref. No.	Part No.	★	Description	Code
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DUNTKA211DE11/B116DE02 SIGNAL UNIT

INTEGRATED CIRCUITS

IC401	VHiNJM2240M-1	J	NJM2240M	AG
IC402	VHiNJM2240M-1	J	NJM2240M	AG
IC406	VHiBA7046F/-1	J	BA7046F	AF
IC409	VHiMM1041XM-1	J	MM1041XMR	AG
IC418	VHiSN2G53CT-1	J	SN74AHC2G53HDC	AE
IC602	VHiTHC4538T-1	J	Tc74Hc4538Aft	AL
IC603	VHiTHC4538T-1	J	Tc74Hc4538Aft	AL
IC604	VHiSNHC153T-1	J	SN74HC153PW	AK
IC801	VHiTDA8854H-2	J	TDA8854H/N2	BD
IC803	VHiTDA4565/-1	J	TDA4565/V6	AN
IC805	VHiNJM2060V-1	J	NJM2060V	AF
IC806	VHiTC90A11F-1	J	TC90A11F	AZ
IC807	VHiM518221A-1	J	MSM518221A-30J	AW
IC808	VHiPST600DM-1	J	IC-PST600DMT	AE
IC814	VHiTA8814N/-1	J	TA8814N	AV
IC816	VHiNJM2283V-1	J	NJM2283V	AG
IC1001	VHiBA08SFP+-1	J	BA08SFP-E2	AG

TRANSISTORS

Q411	VS2SC3928AR-1	J	2SC3928AR	AB
Q416	VS2SC3928AR-1	J	2SC3928AR	AB
Q420	VS2SC2411KR-1	J	2SC2411KR	AC
Q421	VS2SC2411KR-1	J	2SC2411KR	AC
Q422	VS2SC2411KR-1	J	2SC2411KR	AC
Q804	VS2SA1530AR-1	J	2SA1530AR	AB
Q805	VS2SC3928AR-1	J	2SC3928AR	AB
Q806	VS2SC3928AR-1	J	2SC3928AR	AB
Q808	VS2SC3928AR-1	J	2SC3928AR	AB
Q809	VS2SA1530AR-1	J	2SA1530AR	AB
Q810	VS2SA1530AR-1	J	2SA1530AR	AB
Q814	VS2SC3928AR-1	J	2SC3928AR	AB
Q815	VS2SA1530AR-1	J	2SA1530AR	AB
Q816	VS2SC3928AR-1	J	2SC3928AR	AB
Q817	VS2SC3928AR-1	J	2SC3928AR	AB
Q819	VSDTC144EK/-1	J	DTC144EK	AB
Q820	VS2SC3928AR-1	J	2SC3928AR	AB
Q821	VS2SA1530AR-1	J	2SA1530AR	AB
Q822	VSDTC114EK/-1	J	DTC114EK	AB
Q823	VS2SC2411KR-1	J	2SC2411KR	AC
Q824	VS2SC2411KR-1	J	2SC2411KR	AC
Q825	VS2SC2411KR-1	J	2SC2411KR	AC
Q903	VS2SA1530AR-1	J	2SA1530AR	AB
Q905	VS2SC3928AR-1	J	2SC3928AR	AB
Q906	VS2SC3928AR-1	J	2SC3928AR	AB

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
DUNTKA211DE11/B116DE02									
SIGNAL UNIT (Continued)									
Q907	VS2SC3928AR-1	J	2SC3928AR	AB	C826	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
Q910	VS2SC3928AR-1	J	2SC3928AR	AB	C827	VCE9PF1HW105M	J 1.0	50V Elect.(N.P)	AC
DIODES					C828	VCE9PF1HW105M	J 1.0	50V Elect.(N.P)	AC
D801	VHDM152WA/-1	J	Diode	AA	C829	VCEAPF1CW226M	J 22	16V Electrolytic	AB
D802	RH-EX0226CEZZ	J	Zener Diode	AB	C830	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
D803	RH-EX0226CEZZ	J	Zener Diode	AB	C831	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
D805	VHDDAN202K/-1	J	Diode	AB	C832	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
D1005	VHDDAN202K/-1	J	Diode	AB	C833	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
PACKAGED CIRCUITS					C834	VCFRED1HM332J	J 3300p	50V Mylar	AD
X801	RCRSB0009PEZZ	J	Crystal	AL	C835	VCEAPF1CW107M	J 100	16V Electrolytic	AD
X802	RCRSB0008PEZZ	J	Crystal	AH	C836	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
COILS					C837	VCEAPF1CW107M	J 100	16V Electrolytic	AD
L904	VP-1M330J4R2N	J	Peaking 33μH	AC	C838	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
L905	VP-1M270J3R8N	J	Peaking 27μH	AC	C839	VCEAPF1HW225M	J 2.2	50V Electrolytic	AB
L906	VP-1M330J4R2N	J	Peaking 33μH	AC	C840	VCFYEC1CM223J	J 0.022	16V Mylar	AC
L908	VP-1M220J2R9N	J	Peaking 22μH	AC	C844	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
CAPACITORS					C845	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
C404	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	C852	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
C414	VCKYCY1HB103K	J 0.01	50V Ceramic	AA	C856	VCFYEC1CM274J	J 0.27	16V Mylar	AE
C416	VCKYCY1AF105Z	J 1.0	10V Ceramic	AC	C857	VCKYCY1HB103K	J 0.01	50V Ceramic	AA
C425	VCKYCY1HB103K	J 0.01	50V Ceramic	AA	C860	VCCCCY1HH221J	J 220p	50V Ceramic	AA
C437	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA	C861	VCE9PF1CW106M	J 10	16V Elect.(N.P)	AC
C441	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA	C862	VCCCCY1HH390J	J 39p	50V Ceramic	AA
C443	VCKYCY1HF102Z	J 1000p	50V Ceramic	AA	C863	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
C447	VCCCCY1HH5R0C	J 5.0p	50V Ceramic	AA	C864	VCE9PF1HW105M	J 1.0	50V Elect.(N.P)	AC
C448	VCEAPF1HW475M	J 4.7	50V Electrolytic	AB	C865	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
C450	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA	C867	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
C451	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA	C868	VCKYCY1HB103K	J 0.01	50V Ceramic	AA
C452	VCKYCY1HF102Z	J 1000p	50V Ceramic	AA	C869	VCKYCY1CF224Z	J 0.22	16V Ceramic	AA
C453	RC-EZ1138CEZZ	J 10	10V Electrolytic	AF	C870	VCCCCY1HH101J	J 100p	50V Ceramic	AA
C454	VCCCCY1HH7R0D	J 7.0p	50V Ceramic	AA	C871	VCKYCY1HB103K	J 0.01	50V Ceramic	AA
C455	VCEAPF1CW226M	J 22	16V Electrolytic	AB	C872	VCEAPF1CW106M	J 10	16V Electrolytic	AB
C456	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA	C873	VCFYEC1CM274J	J 0.27	16V Mylar	AE
C458	VCKYCY1HB103K	J 0.01	50V Ceramic	AA	C877	VCEAPF1CW106M	J 10	16V Electrolytic	AB
C472	VCEAPF0JW476M	J 47	6.3V Electrolytic	AB	C878	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C485	VCEAPF1HW475M	J 4.7	50V Electrolytic	AB	C879	VCEAPF1CW106M	J 10	16V Electrolytic	AB
C486	VCKYCY1HB103K	J 0.01	50V Ceramic	AA	C880	VCE9PF1CW106M	J 10	16V Elect.(N.P)	AC
C487	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	C881	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C488	VCKYCY1HB103K	J 0.01	50V Ceramic	AA	C882	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C489	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA	C883	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C490	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA	C885	VCCCCY1HH470J	J 47p	50V Ceramic	AA
C491	VCCCCY1EH102J	J 1000p	25V Ceramic	AB	C886	VCEAPF1CW226M	J 22	16V Electrolytic	AB
C495	VCEAPF1CW226M	J 22	16V Electrolytic	AB	(XG-C40XE)				
C601	VCEAPF1HW105M	J 1.0	50V Electrolytic	AB	C887	VCEAPF1CW106M	J 10	16V Electrolytic	AB
C602	VCFRED1HM472J	J 4700p	50V Mylar	AD	(XG-C40XE)				
C603	VCFRED1HM222J	J 2200p	50V Mylar	AD	C891	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
C606	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	C892	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
C607	VCCCCY1EH102J	J 1000p	25V Ceramic	AB	C893	VCEAPF1HW225M	J 2.2	50V Electrolytic	AB
C608	VCCCCY1EH102J	J 1000p	25V Ceramic	AB	C903	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C609	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	C904	VCCCCY1HH120J	J 12p	50V Ceramic	AA
C610	VCCCCY1EH102J	J 1000p	25V Ceramic	AB	C905	VCCCCY1HH360J	J 36p	50V Ceramic	AA
C611	VCCCCY1EH102J	J 1000p	25V Ceramic	AB	C906	VCEAPF1HW105M	J 1.0	50V Electrolytic	AB
C612	VCEAPF0JW476M	J 47	6.3V Electrolytic	AB	C907	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C613	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	C908	VCKYCY1HB103K	J 0.01	50V Ceramic	AA
C810	VCCCCY1HH180J	J 18p	50V Ceramic	AA	C909	VCKYCY1HB103K	J 0.01	50V Ceramic	AA
C811	VCCCCY1HH180J	J 18p	50V Ceramic	AA	C910	VCCCCY1HH181J	J 180p	50V Ceramic	AA
C812	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA	C911	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C814	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	C912	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C815	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	C913	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C816	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA	C914	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C817	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	C915	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C818	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	C916	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C819	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	C917	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C822	VCCCCY1HH470J	J 47p	50V Ceramic	AA	C918	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C823	VCCCCY1HH470J	J 47p	50V Ceramic	AA	C919	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C824	VCCCCY1HH221J	J 220p	50V Ceramic	AA	C920	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C825	VCCCCY1HH221J	J 220p	50V Ceramic	AA	C921	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
					C922	VCEAPF1CW106M	J 10	16V Electrolytic	AB
					C923	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
					C924	RC-EZ0569CEZZ	J 10	10V Electrolytic	AF
					C925	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
					C926	VCCCCY1HH220J	J 22p	50V Ceramic	AA
					C927	VCCCCY1HH5R0C	J 5.0p	50V Ceramic	AA
					C930	VCCCCY1HH330J	J 33p	50V Ceramic	AA
					C931	VCCCCY1HH470J	J 47p	50V Ceramic	AA

Ref. No.	Part No.	★	Description	Code
DUNTKA211DE11/B116DE02				
SIGNAL UNIT (Continued)				
C932	VCKYCY1AF105Z	J 1.0	10V Ceramic	AC
C933	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C934	VCE9PF1CW106M	J 10	16V Elect.(N.P)	AC
C935	VCCCCY1HH390J	J 39p	50V Ceramic	AA
C936	VCEAPF1CW106M	J 10	16V Electrolytic	AB
C937	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C938	VCKYCY1HB103K	J 0.01	50V Ceramic	AA
C939	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C945	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C946	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C948	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C949	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C950	VCKYCY1HB103K	J 0.01	50V Ceramic	AA
C951	VCKYCY1HB103K	J 0.01	50V Ceramic	AA
C954	VCKYCY1HB103K	J 0.01	50V Ceramic	AA
C957	VCEAPF0JW476M	J 47	6.3V Electrolytic	AB
C958	VCEAPF0JW476M	J 47	6.3V Electrolytic	AB
C959	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C960	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C962	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C963	VCEAPF1CW226M	J 22	16V Electrolytic	AB
C964	VCFYEC1CM104J	J 0.1	16V Mylar	AD
C965	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C966	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C967	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C968	VCKYCY1HF103Z	J 0.01	50V Ceramic	AA
C970	VCKYCY1HB103K	J 0.01	50V Ceramic	AA
C973	VCCCCY1HH390J	J 39p	50V Ceramic	AA
C1009	RC-EZ0569CEZZ	J 10	10V Electrolytic	AF

RESISTORS

R409	VRS-TV1JD4R7J	J 4.7	1/16W Metal Oxide	AA
R410	VRS-CY1JF273J	J 27k	1/16W Metal Oxide	AA
R411	VRS-CY1JF471J	J 470	1/16W Metal Oxide	AA
R412	VRS-CY1JF822J	J 8.2k	1/16W Metal Oxide	AA
R413	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R414	VRS-CY1JF100J	J 10	1/16W Metal Oxide	AA
R415	VRS-CY1JF151J	J 150	1/16W Metal Oxide	AA
R416	VRS-CY1JF562J	J 5.6k	1/16W Metal Oxide	AA
R417	VRS-CY1JF331J	J 330	1/16W Metal Oxide	AA
R418	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R419	VRS-CY1JF471J	J 470	1/16W Metal Oxide	AA
R438	VRS-CY1JF474J	J 470k	1/16W Metal Oxide	AA
R439	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R440	VRS-CY1JF331J	J 330	1/16W Metal Oxide	AA
R472	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R477	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R478	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R479	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R480	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R481	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R482	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R496	VRS-CY1JF361J	J 360	1/16W Metal Oxide	AA
R497	VRS-CY1JF332F	J 3.3k	1/16W Metal Oxide	AA
R503	VRS-CY1JF392F	J 3.9k	1/16W Metal Oxide	AA
R505	VRS-CY1JF361J	J 360	1/16W Metal Oxide	AA
R584	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R603	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R604	VRS-CY1JF562J	J 5.6k	1/16W Metal Oxide	AA
R605	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R608	VRS-CY1JF152J	J 1.5k	1/16W Metal Oxide	AA
R611	VRN-CY1JF133D	J 13k	1/16W Metal Film	AB
R613	VRN-CY1JF752D	J 7.5k	1/16W Metal Film	AA
R614	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R615	VRS-CY1JF182J	J 1.8k	1/16W Metal Oxide	AA
R616	VRN-CY1JF682D	J 6.8k	1/16W Metal Film	AB
R617	VRN-CY1JF103D	J 10k	1/16W Metal Film	AA
R619	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R621	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R622	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R623	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code
R624	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R650	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R699	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R806	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R807	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R808	VRS-CY1JF561J	J 560	1/16W Metal Oxide	AA
R811	VRS-CY1JF681J	J 680	1/16W Metal Oxide	AA
R812	VRS-CY1JF183J	J 18k	1/16W Metal Oxide	AA
R815	VRS-TX2HF5R6J	J 5.6	1/2W Metal Oxide	AA
R816	VRS-CY1JF104J	J 100k	1/16W Metal Oxide	AA
R817	VRS-TX2HF4R7J	J 4.7	1/2W Metal Oxide	AB
R819	VRS-CY1JF392J	J 3.9k	1/16W Metal Oxide	AA
R820	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R821	VRS-CY1JF473J	J 47k	1/16W Metal Oxide	AA
R832	VRS-TX2HF4R7J	J 4.7	1/2W Metal Oxide	AB
R835	VRS-CY1JF393J	J 39k	1/16W Metal Oxide	AA
R837	VRS-CY1JF564J	J 560k	1/16W Metal Oxide	AA
R838	VRS-CY1JF333J	J 33k	1/16W Metal Oxide	AA
R839	VRS-CY1JF104J	J 100k	1/16W Metal Oxide	AA
R840	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R841	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R842	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R843	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R844	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R845	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R846	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R848	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R849	VRS-CY1JF472J	J 4.7k	1/16W Metal Oxide	AA
R850	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R851	VRS-CY1JF822J	J 8.2k	1/16W Metal Oxide	AA
R852	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R853	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R855	VRS-CY1JF221J	J 220	1/16W Metal Oxide	AA
R856	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R857	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R858	VRS-CY1JF222J	J 2.2k	1/16W Metal Oxide	AA
R859	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R860	VRS-CY1JF822J	J 8.2k	1/16W Metal Oxide	AA
R861	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R862	VRS-CY1JF472J	J 4.7k	1/16W Metal Oxide	AA
R863	VRS-CY1JF473J	J 47k	1/16W Metal Oxide	AA
R865	VRS-CY1JF682J	J 6.8k	1/16W Metal Oxide	AA
R866	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R867	VRS-CY1JF183J	J 18k	1/16W Metal Oxide	AA
R869	VRS-CY1JF223J	J 22k	1/16W Metal Oxide	AA
R870	VRS-CY1JF682J	J 6.8k	1/16W Metal Oxide	AA
R871	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R872	VRS-CY1JF472J	J 4.7k	1/16W Metal Oxide	AA
R873	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R874	VRS-CY1JF683J	J 68k	1/16W Metal Oxide	AA
R875	VRS-CY1JF224J	J 220k	1/16W Metal Oxide	AA
R876	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R877	VRS-CY1JF472J	J 4.7k	1/16W Metal Oxide	AA
R878	VRS-CY1JF682J	J 6.8k	1/16W Metal Oxide	AA
R879	VRS-CY1JF332J	J 3.3k	1/16W Metal Oxide	AA
R880	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R891	VRS-CY1JF682J	J 6.8k	1/16W Metal Oxide	AA
R892	VRS-CY1JF273J	J 27k	1/16W Metal Oxide	AA
R893	VRS-CY1JF392J	J 3.9k	1/16W Metal Oxide	AA
R894	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R895	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R898	VRS-CY1JF333J	J 33k	1/16W Metal Oxide	AA
R901	VRS-CY1JF223J	J 22k	1/16W Metal Oxide	AA
R902	VRS-CY1JF223J	J 22k	1/16W Metal Oxide	AA
R903	VRS-CY1JF821J	J 820	1/16W Metal Oxide	AA
R905	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R906	VRS-TV1JD122J	J 1.2k	1/16W Metal Oxide	AA
R907	VRS-CY1JF223J	J 22k	1/16W Metal Oxide	AA
R908	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R909	VRN-CY1JF102D	J 1.0k	1/16W Metal Film	AB
R910	VRS-TV1JD122J	J 1.2k	1/16W Metal Oxide	AA
R911	VRS-TV1JD471J	J 470	1/16W Metal Oxide	AA
R912	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R913	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R914	VRS-CY1JF821J	J 820	1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
DUNTKA211DE11/B116DE02					DUNTKA212DE11/B117DE02				
SIGNAL UNIT (Continued)					PC TERMINAL UNIT				
R915	VRN-CY1JF332D	J	3.3k 1/16W Metal Film	AA	R1813	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R916	VRN-CY1JF332D	J	3.3k 1/16W Metal Film	AA	R1814	VRS-CY1JF000J	J	0 1/16W Metal Oxide (XG-C40XE)	AA
R917	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA	R1819	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R918	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA	R1820	VRS-CY1JF152J	J	1.5k 1/16W Metal Oxide	AA
R919	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA	R1822	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R920	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA	R1823	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R922	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA	R1825	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R923	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA	R1826	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R924	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA	MISCELLANEOUS PARTS				
R925	VRS-TV1JD222J	J	2.2k 1/16W Metal Oxide	AA	FB402	RBLN-0065CEZZ	J	Frrite Bead	AB
R926	VRS-CY1JF823J	J	82k 1/16W Metal Oxide	AA	FB902	RBLN-0065CEZZ	J	Frrite Bead	AB
R927	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA	FB903	RBLN-0065CEZZ	J	Frrite Bead	AB
R928	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA	FB904	RBLN-0065CEZZ	J	Frrite Bead	AB
R929	VRS-CY1JF561J	J	560 1/16W Metal Oxide	AA	P401	QPLGZ3044CEZZ	J	Plug 30-Pin (TN)	AH
R930	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA	P402	QPLGZ3044CEZZ	J	Plug 30-Pin (VS)	AH
R931	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA	P801	QPLGN0463TAZZ	J	Plug 4-Pin	AC
R932	VRS-CY1JF152J	J	1.5k 1/16W Metal Oxide	AA	P1501	QPLGZ2026CEZZ	J	Plug 20-Pin	AE
R933	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA	P1502	QPLGZ2026CEZZ	J	Plug 20-Pin	AE
R934	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA	INTEGRATED CIRCUITS				
R935	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA	IC3003	VHiTL712CPW-1	J	TI712CPWR	AL
R936	VRS-TX2HF5R6J	J	5.6 1/2W Metal Oxide	AA	IC3004	VHiTL712CPW-1	J	TI712CPWR	AL
R937	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA	IC3005	VHiTL712CPW-1	J	TI712CPWR	AL
R938	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA	IC3006	RH-IX2317CEZZ	J	SN74AIS1034NS	AF
R939	VRS-CY1JF822J	J	8.2k 1/16W Metal Oxide	AA	IC3009	VHiTL712CPW-1	J	TI712CPWR	AL
R940	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA	IC3010	VHiTL712CPW-1	J	TI712CPWR	AL
R941	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA	IC3011	VHiAD8185+-1	J	AD8185ARU	AW
R942	VRS-CY1JF750J	J	75 1/16W Metal Oxide	AA	IC3012	VHiVHC157MT-1	J	74VHC157MTCX	AE
R943	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA	IC3013	VHi24LC21/-1	J	24LC21T	AN
R944	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA	IC3014	VHi24LC21/-1	J	24LC21T	AN
R945	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA	IC3015	VHiTL712CPW-1	J	TI712CPWR	AL
R952	VRS-TX2HF6R8J	J	6.8 1/2W Metal Oxide	AA	IC3303	VHiNJM2245M-1	J	NJM2245M	AF
R953	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA	IC3304	VHiNJM2245M-1	J	NJM2245M	AF
R954	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA	IC7006	VHiUPD4721G-1	J	UPD4721G-GJG	AQ
R955	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA	TRANSISTORS				
R956	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA	Q3301	VS2SC3928AR-1	J	2SC3928AR	AB
R957	VRS-CY1JF154J	J	150k 1/16W Metal Oxide	AA	Q3302	VSDTC143ZE/-1	J	DTC143ZE	AB
R958	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA	DIODES				
R959	VRS-TV1JD222J	J	2.2k 1/16W Metal Oxide	AA	D3003	VHDM152WA/-1	J	Diode	AA
R964	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA	D3004	VHDM152WA/-1	J	Diode	AA
R975	VRS-TX2HF5R6J	J	5.6 1/2W Metal Oxide	AA	D3020	VHDM152WA/-1	J	Diode	AA
R976	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA	D3021	VHDM152WA/-1	J	Diode	AA
R980	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA	D3022	VHDM152WA/-1	J	Diode	AA
R981	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA	D3023	VHDM152WA/-1	J	Diode	AA
R982	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA	D3024	VHDM152WA/-1	J	Diode	AA
R983	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA	D3028	VHDM152WA/-1	J	Diode	AA
R990	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA	D3029	VHDM152WA/-1	J	Diode	AA
R991	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA	D3032	VHDM152WA/-1	J	Diode	AA
R999	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA	D3033	VHDM152WA/-1	J	Diode	AA
R1005	VRS-TX2HF5R6J	J	5.6 1/2W Metal Oxide	AA	D3034	VHDM152WA/-1	J	Diode	AA
R1006	VRS-TX2HF5R6J	J	5.6 1/2W Metal Oxide	AA	D3305	VHDM152WA/-1	J	Diode	AA
R1007	VRN-CY1JF562D	J	5.6k 1/16W Metal Film	AB	D3306	VHDM152WA/-1	J	Diode	AA
R1008	VRN-CY1JF102D	J	1.0k 1/16W Metal Film	AB	D3307	VHDM152WA/-1	J	Diode	AA
R1009	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA	D3311	VHDM157A/-1	J	Diode	AC
R1010	VRS-CY1JF000J	J	0 1/16W Metal Oxide (XG-C40XE)	AA	D3312	VHDM157A/-1	J	Diode	AC
R1011	VRS-CY1JF000J	J	0 1/16W Metal Oxide (XG-C40XE)	AA	D3313	VHDM157A/-1	J	Diode	AC
R1013	VRS-CY1JF000J	J	0 1/16W Metal Oxide (XG-C40XE)	AA	D3314	VHDM157A/-1	J	Diode	AC
R1801	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA	D3315	VHDM157A/-1	J	Diode	AC
R1802	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA	D3316	VHDM157A/-1	J	Diode	AC
R1803	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA	D7025	VHDM157A/-1	J	Diode	AC
R1804	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA	D7026	VHDM157A/-1	J	Diode	AC
R1805	VRS-CY1JF102F	J	1.0k 1/16W Metal Oxide	AA	D7027	VHDM157A/-1	J	Diode	AC
R1806	VRS-CY1JF102F	J	1.0k 1/16W Metal Oxide	AA	D7028	VHDM157A/-1	J	Diode	AC
R1807	VRS-CY1JF122J	J	1.2k 1/16W Metal Oxide	AA					
R1808	VRS-CY1JF821J	J	820 1/16W Metal Oxide	AA					
R1809	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA					
R1810	VRS-CY1JF122J	J	1.2k 1/16W Metal Oxide	AA					
R1811	VRS-CY1JF122J	J	1.2k 1/16W Metal Oxide	AA					
R1812	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA					

Ref. No.	Part No.	★	Description	Code
DUNTKA212DE11/B117DE02				
PC TERMINAL UNIT (Continued)				

FILTERS AND COIL

FL3001	RFILN0003TAZZ	J	Filter	AD
FL3002	RFILN0003TAZZ	J	Filter	AD
FL3003	RFILN0003TAZZ	J	Filter	AD
FL3006	RFILN0003TAZZ	J	Filter	AD
FL3007	RFILN0003TAZZ	J	Filter	AD
FL3008	RFILN0003TAZZ	J	Filter	AD
FL3011	RFILN0003TAZZ	J	Filter	AD
FL3012	RFILN0003TAZZ	J	Filter	AD
FL3013	RFILN0003TAZZ	J	Filter	AD
L3006	VP-1M100J1R6N	J	Peaking 10μH	AC

CAPACITORS

C3001	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C3002	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3003	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3004	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C3005	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3006	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3008	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C3009	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3010	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3027	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3028	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C3029	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C3030	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C3031	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C3032	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C3033	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C3034	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C3039	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C3040	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C3041	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C3042	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C3043	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C3044	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C3045	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3046	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C3047	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3062	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3063	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3065	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C3066	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3067	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3070	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C3071	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C3073	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C3075	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C3076	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3077	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3078	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3080	VCEAPF0JW226M	J	22	6.3V	Electrolytic	AB
C3081	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3304	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C3305	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C3306	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C3309	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C3310	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C3311	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C3312	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C3313	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C3314	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C3319	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C3320	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C3321	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C3322	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C3323	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C7001	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C7017	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C7018	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C7019	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA

Ref. No.	Part No.	★	Description	Code
C7020	VCEAPF1HW225M	J	2.2 50V Electrolytic	AB
C7021	VCEAPF1HW225M	J	2.2 50V Electrolytic	AB
C7501	VCEAPF0JW107M	J	100 6.3V Electrolytic	AC
C7502	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA

RESISTORS

R2001	VRS-TW2ED750J	J	75	1/4W	Metal Oxide	AA
R2002	VRS-TW2ED750J	J	75	1/4W	Metal Oxide	AA
R2003	VRS-TW2ED750J	J	75	1/4W	Metal Oxide	AA
R3004	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R3005	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R3006	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R3007	VRS-CY1JF271J	J	270	1/16W	Metal Oxide	AA
R3008	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R3009	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R3010	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R3011	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R3012	VRS-CY1JF271J	J	270	1/16W	Metal Oxide	AA
R3013	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R3014	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R3015	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R3016	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R3017	VRS-CY1JF271J	J	270	1/16W	Metal Oxide	AA
R3018	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R3023	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R3024	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R3025	VRS-TW2ED750J	J	75	1/4W	Metal Oxide	AA
R3026	VRS-TW2ED750J	J	75	1/4W	Metal Oxide	AA
R3027	VRS-TW2ED750J	J	75	1/4W	Metal Oxide	AA
R3028	VRS-CY1JF224J	J	220k	1/16W	Metal Oxide	AA
R3029	VRS-CY1JF224J	J	220k	1/16W	Metal Oxide	AA
R3030	VRS-CY1JF224J	J	220k	1/16W	Metal Oxide	AA
R3031	VRS-CY1JF224J	J	220k	1/16W	Metal Oxide	AA
R3032	VRS-CY1JF224J	J	220k	1/16W	Metal Oxide	AA
R3033	VRS-CY1JF224J	J	220k	1/16W	Metal Oxide	AA
R3036	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R3046	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R3054	VRS-CY1JF271J	J	270	1/16W	Metal Oxide	AA
R3055	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R3056	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R3057	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R3058	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R3059	VRS-CY1JF271J	J	270	1/16W	Metal Oxide	AA
R3060	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R3061	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R3062	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R3063	VRS-CY1JF392J	J	3.9k	1/16W	Metal Oxide	AA
R3092	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R3093	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R3094	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R3096	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R3100	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R3102	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R3103	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R3112	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R3116	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R3117	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R3118	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R3119	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R3120	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R3121	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R3130	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R3131	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R3132	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R3138	VRS-TW2ED750J	J	75	1/4W	Metal Oxide	AA
R3139	VRS-TW2ED750J	J	75	1/4W	Metal Oxide	AA
R3140	VRS-TW2ED750J	J	75	1/4W	Metal Oxide	AA
R3141	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R3142	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R3143	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R3144	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R3145	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R3146	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R3147	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R3149	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
DUNTKA212DE11/B117DE02					DUNTKA693DE01/02				
PC TERMINAL UNIT (Continued)					SOUND OUT/REGULATOR UNIT				
R3150	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA	FB7004	RBLN-0058TAZZ	J	Frrite Bead	AC
R3151	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA	J3301	QJAKJ0008GEZZ	J	Jack JDIO-IN	AD
R3152	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA	J3303	QJAKJ0008GEZZ	J	Jack TOR-OUT	AD
R3153	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA	SC3001	QSOCZ3043CEZZ	J	Socket 30-Pin (TN)	AG
R3154	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA	SC3002	QSOCN0448FJZZ	J	Socket 15-Pin D-sub	AM
R3155	VRS-CY1JF680J	J	68 1/16W Metal Oxide	AA	SC3003	QSOCN0448FJZZ	J	Socket 15-Pin D-sub	AM
R3156	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA	SC3004	QSOCN0344FJZZ	J	Socket 15-Pin D-sub	AM
R3157	VRS-CY1JF680J	J	68 1/16W Metal Oxide	AA	SC7004	QSOCD0901CEZZ	J	Socket 9-Pin D-sub	AH
R3158	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA	RMC7501	RRMCU0233CEZZ	J	R/C Receiver	AF
R3159	VRS-CY1JF680J	J	68 1/16W Metal Oxide	AA		PSLDM3024CEFW	J	Shield	AK
R3160	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA		QEARP0085CEFW	J	Shield	AD
R3161	VRS-CY1JF680J	J	68 1/16W Metal Oxide	AA		NSFTZ0134CEFW	J	Shafr	AD
R3162	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA	INTEGRATED CIRCUITS				
R3163	VRS-CY1JF680J	J	68 1/16W Metal Oxide	AA	IC1030	RH-IX2204CEZZ	J	PQ12TZ11	AG
R3164	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA	IC1031	VHIPQ05TZ11-1	J	PQ05TZ11	AH
R3165	VRS-CY1JF680J	J	68 1/16W Metal Oxide	AA	IC7301	VHITDA1517/-1	J	TDA1517/N2	AL
R3166	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA	TRANSISTORS				
R3301	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA	Q1001	VS DTC144EK/-1	J	DTC144EK	AB
R3302	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA	Q1002	VS DTC144EK/-1	J	DTC144EK	AB
R3303	VRS-CY1JF224J	J	220k 1/16W Metal Oxide	AA	Q7301	VS2SC3928AR-1	J	2SC3928AR	AB
R3304	VRS-CY1JF224J	J	220k 1/16W Metal Oxide	AA	Q7302	VS2SD1664R/-1	J	2SD1664R	AC
R3309	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA	Q7303	VS2SD1664R/-1	J	2SD1664R	AC
R3310	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA	Q7304	VS DTA114EU/-1	J	DTC114EU	AB
R3311	VRS-CY1JF105J	J	1.0M 1/16W Metal Oxide	AA	Q7305	VS DTC114EU/-1	J	DTC114EU	AB
R3312	VRS-CY1JF105J	J	1.0M 1/16W Metal Oxide	AA	DIODES				
R3313	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA	D1020	VHDDAN202K/-1	J	Diode	AB
			(XG-C40XE)		D1021	VHDDAN202K/-1	J	Diode	AB
R3314	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA	D1023	RH-EX0516CEZZ	J	Zener Diode	AB
			(XG-C40XE)		D1024	RH-EX0516CEZZ	J	Zener Diode	AB
R3319	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA	CAPACITORS				
R3320	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA	C1020	VCEAPF1EW336M	J	33 25V Electrolytic	AB
R3321	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA	C1021	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
R3322	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA	C1022	VCEAPF1CW336M	J	33 16V Electrolytic	AB
R3323	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA	C1023	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
R3324	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA	C1024	VCEAPF1CW336M	J	33 16V Electrolytic	AB
R3325	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA	C1025	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
R3326	VRS-TV1JD122J	J	1.2k 1/16W Metal Oxide	AA	C1026	VCEAPF1CW336M	J	33 16V Electrolytic	AB
R3327	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA	C1027	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
R3328	VRS-CY1JF153J	J	15k 1/16W Metal Oxide	AA	C1046	VCEAPF1CW107M	J	100 16V Electrolytic	AD
R3329	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA	C1047	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
R3330	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA	C1048	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
R3331	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA	C1049	VCEAPF1CW107M	J	100 16V Electrolytic	AD
R7045	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA	C1050	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
R7048	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA	C1051	VCEAPF1CW107M	J	100 16V Electrolytic	AD
R7090	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA	C1052	VCKYCY1AF105Z	J	1.0 10V Ceramic	AC
R7091	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA	C1053	VCKYCY1AF105Z	J	1.0 10V Ceramic	AC
R7501	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA	C7301	VCEAPF1HW475M	J	4.7 50V Electrolytic	AB
R7562	VRS-TX2HF220J	J	22 1/2W Metal Oxide	AB	C7302	VCKYTV1CF105Z	J	1.0 16V Ceramic	AB
R7563	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA	C7304	VCE9PF1CW475M	J	4.7 16V Elect.(N.P)	AC
R7564	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA	C7305	VCCCCY1HH471J	J	470p 50V Ceramic	AA
R7565	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA	C7306	VCEA2A1EW477M	J	470 25V Electrolytic	AD
R7566	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA	C7307	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
R7567	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA	C7308	VCEAPF1CW107M	J	100 16V Electrolytic	AD
					C7309	VCEA2A1CW108M	J	1000 16V Electrolytic	AB
					C7310	VCEAPF1CW107M	J	100 16V Electrolytic	AD
					C7312	VCEAPF1CW107M	J	100 16V Electrolytic	AD
					C7315	VCKYCY1AF105Z	J	1.0 10V Ceramic	AC
MISCELLANEOUS PARTS					RESISTORS				
FB3004	RBLN-0060TAZZ	J	Frrite Bead	AB	R1020	VRS-TX2HF5R6J	J	5.6 1/2W Metal Oxide	AA
FB3005	RBLN-0060TAZZ	J	Frrite Bead	AB	R1021	VRS-TX2HF5R6J	J	5.6 1/2W Metal Oxide	AA
FB3009	RBLN-0060TAZZ	J	Frrite Bead	AB	R1022	VRS-TV1JD103J	J	10k 1/16W Metal Oxide	AA
FB3010	RBLN-0060TAZZ	J	Frrite Bead	AB	R1023	VRS-TV1JD103J	J	10k 1/16W Metal Oxide	AA
FB3014	RBLN-0060TAZZ	J	Frrite Bead	AB					
FB3015	RBLN-0060TAZZ	J	Frrite Bead	AB					
FB3016	RBLN-0060TAZZ	J	Frrite Bead	AB					
FB3301	RBLN-0062TAZZ	J	Frrite Bead	AB					
FB3302	RBLN-0062TAZZ	J	Frrite Bead	AB					
FB3303	RBLN-0062TAZZ	J	Frrite Bead(XG-C40XU)	AB					
FB3307	RBLN-0062TAZZ	J	Frrite Bead	AB					
FB3308	RBLN-0062TAZZ	J	Frrite Bead	AB					
FB3309	RBLN-0062TAZZ	J	Frrite Bead(XG-C40XU)	AB					
FB7001	RBLN-0058TAZZ	J	Frrite Bead	AC					
FB7002	RBLN-0058TAZZ	J	Frrite Bead	AC					
FB7003	RBLN-0058TAZZ	J	Frrite Bead	AC					

Ref. No.	Part No.	★	Description	Code
DUNTKA693DE01/02				
SOUND OUT/REGULATOR UNIT (Continued)				
R1027	VRS-TX2HF2R2J	J 2.2	1/2W Metal Oxide	AB
R1028	VRS-TX2HF2R2J	J 2.2	1/2W Metal Oxide	AB
R1039	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1042	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1044	VRS-CY1JF474F	J 470k	1/16W Metal Oxide	AA
R1045	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R1050	VRS-TX2HF000J	J 0	1/2W Metal Oxide	AA
R7301	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R7302	VRS-CY1JF682J	J 6.8k	1/16W Metal Oxide	AA
R7303	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R7304	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R7307	VRS-CY1JF392J	J 3.9k	1/16W Metal Oxide	AA
R7310	VRS-TV1JD103J	J 10k	1/16W Metal Oxide	AA
R7311	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R7312	VRS-TX2HF000J	J 0	1/2W Metal Oxide	AA
R7313	VRS-TX2HF000J	J 0	1/2W Metal Oxide	AA
R7314	VRS-TV1JD000J	J 0	1/16W Metal Oxide	AA
R7315	VRS-TX2HF2R2J	J 2.2	1/2W Metal Oxide	AB
R7316	VRS-TX2HF2R2J	J 2.2	1/2W Metal Oxide	AB
R7317	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

UNT1001	RCNVD0015CEZZ	J	DC/DC Converter	BC
FB1005	RBLN-0060CEZZ	J	Frrite Bead	AC
P1010	QPLGN0428FJZZ	J	Plug 18-Pin (EA)	AD
P1011	QPLGN0430FJZZ	J	Plug 20-Pin (EB)	AD
P7302	QPLGN0464TAZZ	J	Plug 4-Pin (SO)	AC
P7303	QPLGN0174FJZZ	J	Plug 2-Pin (SP)	AC
	PRDAR1551CEFW	J	Heat Sink	AG
	QCNW-5705CEZZ	J	Connecting Cord	AF
	LHLDW1072GEZZ	J	Holder	AA
	LX-BZ3266CEFD	J	Screw	AA

DUNTKA694DE01/02
OUTPUT UNIT
INTEGRATED CIRCUITS

IC1004	RH-iX2204CEZZ	J	PQ12TZ11	AG
IC1101	VHiET6050S0-1	J	ET6050S0B	BA
IC1102	VHiET6050S0-1	J	ET6050S0B	BA
IC1106	VHiET1030F0-1	J	ET1030F0A	AW
IC1201	VHiET6050S0-1	J	ET6050S0B	BA
IC1202	VHiET6050S0-1	J	ET6050S0B	BA
IC1204	VHiNJM2902V-1	J	NJM2902V	AD
IC1206	VHiET1030F0-1	J	ET1030F0A	AW
IC1301	VHiET6050S0-1	J	ET6050S0B	BA
IC1302	VHiET6050S0-1	J	ET6050S0B	BA
IC1306	VHiET1030F0-1	J	ET1030F0A	AW
IC1307	VHiLM2663M+-1	J	LM2663MX	AS
IC1401	VHiCXA2111R-1	J	CXA2111R	BB
IC1402	VHi74LV221+-1	J	SN74LV221ANSR	AG
IC1403	VHiNJM2060V-1	J	NJM2060V	AF
IC1404	VHiM62352GP-1	J	M62352GP	AQ
IC1406	VHiT7SET08U-1	J	TC7SET08FU	AE
IC1408	VHiHCT541AF-1	J	TC74HCT541AF	AG
IC1409	VHiPQ05TZ11-1	J	PQ05TZ11	AH
IC1410	VHiPQ05TZ11-1	J	PQ05TZ11	AH
IC1411	VHiTA8184F-1	J	TA8184F	AN
IC1412	VHiM62352GP-1	J	M62352GP	AQ
IC1501	VHiLV4053AT-1	J	SN74LV4053APWR	AE

Ref. No.	Part No.	★	Description	Code
IC1502	VHiNJM2902V-1	J	NJM2902V	AD
IC1504	VHiLV123AT+-1	J	SN74LV123APWR	AF
IC1505	VHiAHC2G241-1	J	SN74AHC2G241HD	AF
IC1506	VHiAHC2G241-1	J	SN74AHC2G241HD	AF
IC1507	VHiPQ05TZ11-1	J	PQ05TZ11	AH
IC1508	VHiAHC2G241-1	J	SN74AHC2G241HD	AF
IC1701	VHiNJM2904V-1	J	NJM2904V	AF
IC5003	VHiM62352GP-1	J	M62352GP	AQ
IC5004	VHiM62320FP-1	J	M62320FP	AK
IC5005	VHiM62320FP-1	J	M62320FP	AK
IC5006	VHiSNHC00T/-1	J	SN74HC00PW	AG
IC5007	VHiM62320FP-1	J	M62320FP	AK
IC5008	VHiM24C64WMN-1	J	M24C64-WMN6T	AL
IC5009	VHiSNHC08T/-1	J	SN74HC08PW	AG
IC5010	VHiPST600IM-1	J	IC-PST600IMT	AE
IC5021	VHiBA033SFP-1	J	BA033SFP-E2	AG
IC5101	RH-iX3393CEZZ	J	MB89P538-101PF	AR
IC5102	VHiAHC2G241-1	J	SN74AHC2G241HD	AF
IC5503	VHiPQ05SZ51-1	J	PQ05SZ51	AG
IC5504	VHiBA00ASFP-1	J	BA00ASFP-E2	AG
IC5505	VHiBA00ASFP-1	J	BA00ASFP-E2	AG
IC5506	VHiSN1G66DC-1	J	SN74AHC1G66HDC	AD
IC5507	VHiBA00ASFP-1	J	BA00ASFP-E2	AG
IC5508	VHiBA00ASFP-1	J	BA00ASFP-E2	AG

TRANSISTORS

Q1101	VS2SA1530AR-1	J	2SA1530AR	AB
Q1105	VS2SC2411KR-1	J	2SC2411KR	AC
Q1106	VS2SA1036KR-1	J	2SA1036KR	AC
Q1107	VS2SC2411KR-1	J	2SC2411KR	AC
Q1108	VS2SA1036KR-1	J	2SA1036KR	AC
Q1110	VS2SC2411KR-1	J	2SC2411KR	AC
Q1112	VS2SA1036KR-1	J	2SA1036KR	AC
Q1113	VS2SC2411KR-1	J	2SC2411KR	AC
Q1114	VS2SA1036KR-1	J	2SA1036KR	AC
Q1205	VS2SC2411KR-1	J	2SC2411KR	AC
Q1206	VS2SA1036KR-1	J	2SA1036KR	AC
Q1207	VS2SC2411KR-1	J	2SC2411KR	AC
Q1208	VS2SA1036KR-1	J	2SA1036KR	AC
Q1210	VS2SC2411KR-1	J	2SC2411KR	AC
Q1211	VS2SC2411KR-1	J	2SC2411KR	AC
Q1212	VS2SA1036KR-1	J	2SA1036KR	AC
Q1213	VS2SA1036KR-1	J	2SA1036KR	AC
Q1301	VS2SA1530AR-1	J	2SA1530AR	AB
Q1305	VS2SC2411KR-1	J	2SC2411KR	AC
Q1306	VS2SA1036KR-1	J	2SA1036KR	AC
Q1307	VS2SC2411KR-1	J	2SC2411KR	AC
Q1308	VS2SA1036KR-1	J	2SA1036KR	AC
Q1310	VS2SC2411KR-1	J	2SC2411KR	AC
Q1311	VS2SC2411KR-1	J	2SC2411KR	AC
Q1312	VS2SA1036KR-1	J	2SA1036KR	AC
Q1313	VS2SA1036KR-1	J	2SA1036KR	AC
Q1401	VS2SC2735/-1	J	2SC2735	AB
Q1402	VS2SC2735/-1	J	2SC2735	AB
Q1403	VS2SC2735/-1	J	2SC2735	AB
Q1410	VS2SC2735/-1	J	2SC2735	AB
Q1411	VS2SC2735/-1	J	2SC2735	AB
Q1412	VS2SC2735/-1	J	2SC2735	AB
Q1413	VS2SC2735/-1	J	2SC2735	AB
Q1501	VSHN1B04FU/-1	J	HN1B04FU	AC
Q1502	VSHN1B04FU/-1	J	HN1B04FU	AC
Q1503	VSHN1B04FU/-1	J	HN1B04FU	AC
Q1505	VSHN1B04FU/-1	J	HN1B04FU	AC
Q1506	VSHN1B04FU/-1	J	HN1B04FU	AC
Q1507	VSHN1B04FU/-1	J	HN1B04FU	AC
Q1601	VS2SC3928AR-1	J	2SC3928AR	AB
Q1602	VS2SC3928AR-1	J	2SC3928AR	AB
Q1603	VS2SC3928AR-1	J	2SC3928AR	AB
Q1604	VS2SC3928AR-1	J	2SC3928AR	AB
Q1605	VSDTC144EU/-1	J	DTC144EU	AB
Q1606	VSDTC144EU/-1	J	DTC144EU	AB
Q1607	VSDTC144EU/-1	J	DTC144EU	AB
Q1608	VSDTC144EU/-1	J	DTC144EU	AB
Q1609	VSDTC144EU/-1	J	DTC144EU	AB
Q1610	VSDTC144EU/-1	J	DTC144EU	AB

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
DUNTKA694DE01/02					R1652	RVR-M4846GEZZ	J	220k (B)	AC
OUTPUT UNIT (Continued)					CAPACITORS				
Q1611	VS2TC144EU/-1	J	DTC144EU	AB	C1010	VCEAPF1EW336M	J	33 25V	Electrolytic AB
Q1612	VS2TC144EU/-1	J	DTC144EU	AB	C1013	RC-EZ1146CEZZ	J	27 16V	Electrolytic AG
Q1613	VS2TC144EU/-1	J	DTC144EU	AB	C1101	RC-KZ0416CEZZ	J	10 25V	Ceramic AE
Q1614	VS2TC144EU/-1	J	DTC144EU	AB	C1102	VCKYCY1EF104Z	J	0.1 25V	Ceramic AA
Q1615	VS2TC144EU/-1	J	DTC144EU	AB	C1103	RC-KZ0416CEZZ	J	10 25V	Ceramic AE
Q1616	VS2TC144EU/-1	J	DTC144EU	AB	C1104	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA
Q1617	VS2TC144EU/-1	J	DTC144EU	AB	C1105	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA
Q1618	VS2TC144EU/-1	J	DTC144EU	AB	C1106	RC-KZ0416CEZZ	J	10 25V	Ceramic AE
Q1619	VS2TC114EU/-1	J	DTC114EU	AB	C1107	VCKYCY1EF104Z	J	0.1 25V	Ceramic AA
Q1620	VS2TC114EU/-1	J	DTC114EU	AB	C1108	RC-KZ0416CEZZ	J	10 25V	Ceramic AE
Q5002	VS2SC3928AR-1	J	2SC3928AR	AB	C1109	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA
Q5003	VS2SC3928AR-1	J	2SC3928AR	AB	C1110	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA
Q5004	VS2SC3928AR-1	J	2SC3928AR	AB	C1112	RC-KZ0416CEZZ	J	10 25V	Ceramic AE
Q5005	VS2SC3928AR-1	J	2SC3928AR	AB	C1113	VCKYCY1EF104Z	J	0.1 25V	Ceramic AA
Q5007	VS2SC3928AR-1	J	2SC3928AR	AB	C1114	VCKYCY1EF104Z	J	0.1 25V	Ceramic AA
Q5008	VS2TC144EU/-1	J	DTC144EU	AB	C1115	RC-KZ0416CEZZ	J	10 25V	Ceramic AE
Q5514	VS2SC3928AR-1	J	2SC3928AR	AB	C1116	VCCCCY1HH220J	J	22p 50V	Ceramic AA
Q5516	VS2SC3928AR-1	J	2SC3928AR	AB	C1117	VCKYTV1CF105Z	J	1.0 16V	Ceramic AB
Q5517	VS2SC3928AR-1	J	2SC3928AR	AB	C1118	VCKYTV1CF105Z	J	1.0 16V	Ceramic AB
Q5518	VS2SC3928AR-1	J	2SC3928AR	AB	C1126	VCKYCY1EF104Z	J	0.1 25V	Ceramic AA
Q5519	VS2TC114EU/-1	J	DTC114EU	AB	C1127	RC-KZ0416CEZZ	J	10 25V	Ceramic AE
Q5520	VS2SA1036KR-1	J	2SA1036KR	AC	C1128	RC-KZ0416CEZZ	J	10 25V	Ceramic AE
Q5526	VS2TC114EU/-1	J	DTC114EU	AB	C1130	VCKYCY1EF104Z	J	0.1 25V	Ceramic AA
Q5536	VS2SC3928AR-1	J	2SC3928AR	AB	C1141	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA
DIODES					C1142	VCKYCY1EF104Z	J	0.1 25V	Ceramic AA
D1003	VHDDAN202K/-1	J	Diode	AB	C1143	VCKYCY1EF104Z	J	0.1 25V	Ceramic AA
D1401	VHDDAN202K/-1	J	Diode	AB	C1144	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA
D1402	VHDDAN202K/-1	J	Diode	AB	C1145	VCKYCY1EF104Z	J	0.1 25V	Ceramic AA
D1502	VHDDAN202K/-1	J	Diode	AB	C1146	RC-KZ0416CEZZ	J	10 25V	Ceramic AE
D5001	VHDHRW0702A-1	J	Diode	AE	C1147	VCKYCY1EF104Z	J	0.1 25V	Ceramic AA
D5002	VHDHRW0702A-1	J	Diode	AE	C1148	RC-KZ0416CEZZ	J	10 25V	Ceramic AE
D5003	VHDHRW0702A-1	J	Diode	AE	C1201	RC-KZ0416CEZZ	J	10 25V	Ceramic AE
D5004	VHDHRW0702A-1	J	Diode	AE	C1202	VCKYCY1EF104Z	J	0.1 25V	Ceramic AA
D5005	VHDM153///-1	J	Diode	AB	C1203	RC-KZ0416CEZZ	J	10 25V	Ceramic AE
D5006	VHDM153///-1	J	Diode	AB	C1204	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA
D5007	VHDM153///-1	J	Diode	AB	C1206	RC-KZ0416CEZZ	J	10 25V	Ceramic AE
D5008	VHDM153///-1	J	Diode	AB	C1207	VCKYCY1EF104Z	J	0.1 25V	Ceramic AA
D5009	VHDHRW0702A-1	J	Diode	AE	C1208	RC-KZ0416CEZZ	J	10 25V	Ceramic AE
D5010	VHDHRW0702A-1	J	Diode	AE	C1209	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA
D5011	VHDHRW0702A-1	J	Diode	AE	C1210	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA
D5012	VHDHRW0702A-1	J	Diode	AE	C1212	RC-KZ0416CEZZ	J	10 25V	Ceramic AE
D5013	VHDM153///-1	J	Diode	AB	C1213	VCKYCY1EF104Z	J	0.1 25V	Ceramic AA
D5014	VHDM153///-1	J	Diode	AB	C1214	VCKYCY1EF104Z	J	0.1 25V	Ceramic AA
D5015	VHDM153///-1	J	Diode	AB	C1215	RC-KZ0416CEZZ	J	10 25V	Ceramic AE
D5016	VHDM153///-1	J	Diode	AB	C1216	VCCCCY1HH220J	J	22p 50V	Ceramic AA
D5017	VHDHRW0702A-1	J	Diode	AE	C1217	VCKYTV1CF105Z	J	1.0 16V	Ceramic AB
D5018	VHDM153///-1	J	Diode	AB	C1218	VCKYTV1CF105Z	J	1.0 16V	Ceramic AB
D5023	VHDDAN202K/-1	J	Diode	AB	C1219	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA
D5024	RH-EX0858CEZZ	J	Zener Diode	AC	C1225	VCKYCY1EF104Z	J	0.1 25V	Ceramic AA
D5503	VHDDAN202K/-1	J	Diode	AB	C1226	VCKYCY1EF104Z	J	0.1 25V	Ceramic AA
D5504	VHDDAN202K/-1	J	Diode	AB	C1227	RC-KZ0416CEZZ	J	10 25V	Ceramic AE
D5505	VHDDAN202K/-1	J	Diode	AB	C1228	RC-KZ0416CEZZ	J	10 25V	Ceramic AE
D5513	VHDDAN202K/-1	J	Diode	AB	C1229	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA
D5514	RH-EX0516CEZZ	J	Zener Diode	AB	C1241	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA
D5520	VHDDAN202K/-1	J	Diode	AB	C1242	VCKYCY1EF104Z	J	0.1 25V	Ceramic AA
D5521	VHDDAN202K/-1	J	Diode	AB	C1243	VCKYCY1EF104Z	J	0.1 25V	Ceramic AA
D5522	VHDDAN202K/-1	J	Diode	AB	C1244	VCKYCY1EF104Z	J	0.1 25V	Ceramic AA
D5523	VHDDAN202K/-1	J	Diode	AB	C1245	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA
PACKAGED CIRCUIT					C1247	VCKYCY1EF104Z	J	0.1 25V	Ceramic AA
X5101	RCRSB0286CEZZ	J	Crystal	AH	C1301	RC-KZ0416CEZZ	J	10 25V	Ceramic AE
COILS					C1302	VCKYCY1EF104Z	J	0.1 25V	Ceramic AA
L1101	VP-1M100J1R6N	J	Peaking 10μH	AC	C1303	RC-KZ0416CEZZ	J	10 25V	Ceramic AE
L1201	VP-1M100J1R6N	J	Peaking 10μH	AC	C1304	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA
L1301	VP-1M100J1R6N	J	Peaking 10μH	AC	C1305	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA
L1302	VP-NM100KR42N	J	Peaking 10μH	AB	C1306	RC-KZ0416CEZZ	J	10 25V	Ceramic AE
CONTROLS					C1307	VCKYCY1EF104Z	J	0.1 25V	Ceramic AA
R1649	RVR-M4846GEZZ	J	220k (B)	AC	C1308	RC-KZ0416CEZZ	J	10 25V	Ceramic AE
					C1309	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA
					C1310	VCKYCY1CF104Z	J	0.1 16V	Ceramic AA
					C1312	RC-KZ0416CEZZ	J	10 25V	Ceramic AE
					C1313	VCKYCY1EF104Z	J	0.1 25V	Ceramic AA
					C1314	VCKYCY1EF104Z	J	0.1 25V	Ceramic AA

Ref. No.	Part No.	★	Description	Code
DUNTKA694DE01/02				
OUTPUT UNIT (Continued)				
C1315	RC-KZ0416CEZZ	J 10	25V Ceramic	AE
C1316	VCCCCY1HH220J	J 22p	50V Ceramic	AA
C1317	VCKYTV1CF105Z	J 1.0	16V Ceramic	AB
C1318	VCKYTV1CF105Z	J 1.0	16V Ceramic	AB
C1325	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C1326	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
C1327	RC-KZ0416CEZZ	J 10	25V Ceramic	AE
C1328	RC-KZ0416CEZZ	J 10	25V Ceramic	AE
C1340	VCCCCY1HH471J	J 470p	50V Ceramic	AA
C1341	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C1342	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
C1343	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
C1344	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C1345	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
C1346	VCEAPF1AW476M	J 47	10V Electrolytic	AB
C1347	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
C1348	RC-KZ0416CEZZ	J 10	25V Ceramic	AE
C1349	RC-KZ0416CEZZ	J 10	25V Ceramic	AE
C1350	RC-KZ0416CEZZ	J 10	25V Ceramic	AE
C1401	RC-KZ0074TAZZ	J 10	25V Ceramic	AF
C1402	RC-KZ0074TAZZ	J 10	25V Ceramic	AF
C1403	RC-KZ0074TAZZ	J 10	25V Ceramic	AF
C1404	RC-KZ0416CEZZ	J 10	25V Ceramic	AE
C1405	RC-KZ0416CEZZ	J 10	25V Ceramic	AE
C1410	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C1411	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C1412	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C1420	RC-KZ0416CEZZ	J 10	25V Ceramic	AE
C1421	RC-KZ0416CEZZ	J 10	25V Ceramic	AE
C1422	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C1423	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C1424	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C1425	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C1426	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C1427	VCCCCY1HH101J	J 100p	50V Ceramic	AA
C1429	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C1430	RC-KZ0416CEZZ	J 10	25V Ceramic	AE
C1431	RC-KZ0416CEZZ	J 10	25V Ceramic	AE
C1432	RC-KZ0416CEZZ	J 10	25V Ceramic	AE
C1433	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
C1434	VCEAPF1EW226M	J 22	25V Electrolytic	AB
C1435	VCEAPF1EW226M	J 22	25V Electrolytic	AB
C1436	VCEAPF1CW106M	J 10	16V Electrolytic	AB
C1437	VCEAPF0JW107M	J 100	6.3V Electrolytic	AC
C1438	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C1453	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C1460	VCKYCY1HB102K	J 1000p	50V Ceramic	AA
C1461	VCEAPF1CW476M	J 47	16V Electrolytic	AC
C1462	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C1463	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C1464	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C1465	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C1466	VCKYTV1CF105Z	J 1.0	16V Ceramic	AB
C1467	VCKYTV1CF105Z	J 1.0	16V Ceramic	AB
C1468	VCFRED1HM822J	J 8200p	50V Mylar	AD
C1469	VCFYEC1CM334J	J 0.33	16V Mylar	AE
C1470	VCEAPF1CW106M	J 10	16V Electrolytic	AB
C1471	VCKYCY1CF154Z	J 0.15	16V Ceramic	AB
C1472	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C1473	VCE9PF1CW106M	J 10	16V Elect.(N.P)	AC
C1474	VCEAPF1CW106M	J 10	16V Electrolytic	AB
C1475	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C1476	VCEAPF1CW107M	J 100	16V Electrolytic	AD
C1477	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C1478	VCEAPX1EW107M	J 100	25V Electrolytic	AD
C1479	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C1480	VCEAPF1CW107M	J 100	16V Electrolytic	AD
C1481	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
C1482	VCEAPF1EW336M	J 33	25V Electrolytic	AB
C1483	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C1484	VCEAPF1CW106M	J 10	16V Electrolytic	AB

Ref. No.	Part No.	★	Description	Code
C1485	VCCCCY1HH100D	J 10p	50V Ceramic	AA
C1486	VCCCCY1HH100D	J 10p	50V Ceramic	AA
C1487	VCCCCY1HH100D	J 10p	50V Ceramic	AA
C1488	VCCCCY1HH100D	J 10p	50V Ceramic	AA
C1489	VCCCCY1HH100D	J 10p	50V Ceramic	AA
C1490	VCCCCY1HH100D	J 10p	50V Ceramic	AA
C1491	VCCCCY1HH100D	J 10p	50V Ceramic	AA
C1492	VCCCCY1HH100D	J 10p	50V Ceramic	AA
C1493	VCCCCY1HH220J	J 22p	50V Ceramic	AA
C1494	VCCCCY1HH220J	J 22p	50V Ceramic	AA
C1495	VCCCCY1HH220J	J 22p	50V Ceramic	AA
C1496	VCCCCY1HH560J	J 56p	50V Ceramic	AA
C1497	VCCCCY1HH560J	J 56p	50V Ceramic	AA
C1498	VCCCCY1HH560J	J 56p	50V Ceramic	AA
C1501	RC-KZ0416CEZZ	J 10	25V Ceramic	AE
C1502	RC-KZ0416CEZZ	J 10	25V Ceramic	AE
C1503	RC-KZ0416CEZZ	J 10	25V Ceramic	AE
C1504	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C1505	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C1506	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C1507	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C1508	RC-KZ0416CEZZ	J 10	25V Ceramic	AE
C1510	VCCCCY1EH102J	J 1000p	25V Ceramic	AB
C1511	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C1541	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C1542	VCEAPF0JW107M	J 100	6.3V Electrolytic	AC
C1543	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C1544	VCEAPX1EW107M	J 100	25V Electrolytic	AD
C1701	RC-KZ0416CEZZ	J 10	25V Ceramic	AE
C1708	VCCCCY1HH330J	J 33p	50V Ceramic	AA
C1709	VCCCCY1HH330J	J 33p	50V Ceramic	AA
C1710	VCCCCY1HH330J	J 33p	50V Ceramic	AA
C1714	VCCCCY1HH330J	J 33p	50V Ceramic	AA
C1715	VCCCCY1HH330J	J 33p	50V Ceramic	AA
C1716	VCCCCY1HH330J	J 33p	50V Ceramic	AA
C1718	VCCCCY1HH330J	J 33p	50V Ceramic	AA
C1719	VCCCCY1HH330J	J 33p	50V Ceramic	AA
C1720	VCCCCY1HH330J	J 33p	50V Ceramic	AA
C4441	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C5001	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C5007	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C5012	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C5015	VCCCCY1HH101J	J 100p	50V Ceramic	AA
C5016	VCCCCY1HH101J	J 100p	50V Ceramic	AA
C5017	VCCCCY1HH101J	J 100p	50V Ceramic	AA
C5033	VCEAPF0JW476M	J 47	6.3V Electrolytic	AB
C5041	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C5045	VCEAPF0JW107M	J 100	6.3V Electrolytic	AC
C5046	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C5055	VCEAPF0JW226M	J 22	6.3V Electrolytic	AB
C5056	VCEAPF0JW476M	J 47	6.3V Electrolytic	AB
C5057	VCKYCY1HB103K	J 0.01	50V Ceramic	AA
C5058	VCEAPF0JW107M	J 100	6.3V Electrolytic	AC
C5063	VCEAPF1CW107M	J 100	16V Electrolytic	AD
C5064	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C5065	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C5164	VCCCCY1HH221J	J 220p	50V Ceramic	AA
C5165	VCKYCY1HB102K	J 1000p	50V Ceramic	AA
C5167	VCKYCY1HB102K	J 1000p	50V Ceramic	AA
C5170	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C5171	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C5174	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C5175	RC-KZ0416CEZZ	J 10	25V Ceramic	AE
C5176	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C5177	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C5178	VCCCCY1HH220J	J 22p	50V Ceramic	AA
C5179	VCCCCY1HH220J	J 22p	50V Ceramic	AA
C5507	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C5508	VCEAPF1CW476M	J 47	16V Electrolytic	AC
C5509	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C5510	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
C5511	VCEAPF1EW336M	J 33	25V Electrolytic	AB
C5512	VCEAPF1CW107M	J 100	16V Electrolytic	AD
C5513	VCEAPF0JW107M	J 100	6.3V Electrolytic	AC
C5514	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
DUNTKA694DE01/02									
OUTPUT UNIT (Continued)									
C5515	VCEAPF1CW107M	J 100	16V Electrolytic	AD	R1143	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
C5516	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA	R1144	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
C5530	VCEAPF1CW226M	J 22	16V Electrolytic	AB	R1145	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
C5531	VCE9PF1CW336M	J 33	16V Elect.(N.P)	AD	R1146	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
C5534	VCEAPF1CW226M	J 22	16V Electrolytic	AB	R1147	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
C5535	VCEAPF1CW226M	J 22	16V Electrolytic	AB	R1148	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
C5553	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA	R1152	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
C5554	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA	R1154	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
C5555	VCKYCY1HB103K	J 0.01	50V Ceramic	AA	R1155	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
C5556	VCKYCY1HB103K	J 0.01	50V Ceramic	AA	R1159	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
C5562	VCKYCY1HB103K	J 0.01	50V Ceramic	AA	R1160	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
C5564	VCEAPF1CW226M	J 22	16V Electrolytic	AB	R1166	VRS-TV1JD270J	J 27	1/16W Metal Oxide	AA
C5565	VCEAPF1EW336M	J 33	25V Electrolytic	AB	R1167	VRS-CY1JF272J	J 2.7k	1/16W Metal Oxide	AA
C5566	VCEAPF1CW107M	J 100	16V Electrolytic	AD	R1168	VRS-CY1JF222J	J 2.2k	1/16W Metal Oxide	AA
C5568	VCEAPF1EW336M	J 33	25V Electrolytic	AB	R1171	VRS-CY1JF222J	J 2.2k	1/16W Metal Oxide	AA
C5569	VCEAPF1CW107M	J 100	16V Electrolytic	AD	R1172	VRS-CY1JF222J	J 2.2k	1/16W Metal Oxide	AA
C5570	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA	R1173	VRS-CY1JF3R3J	J 3.3	1/16W Metal Oxide	AA
RESISTORS					R1174	VRS-CY1JF3R3J	J 3.3	1/16W Metal Oxide	AA
R1003	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA	R1175	VRS-CY1JF3R3J	J 3.3	1/16W Metal Oxide	AA
R1015	VRS-TX2HF000J	J 0	1/2W Metal Oxide	AA	R1176	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1016	VRS-TX2HF000J	J 0	1/2W Metal Oxide	AA	R1179	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1018	QFS-L5015CEZZ	J	Fuse Resistor	AD	R1180	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1065	VRS-CY1JF153J	J 15k	1/16W Metal Oxide	AA	R1181	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1066	VRS-CY1JF432J	J 4.3k	1/16W Metal Oxide	AA	R1193	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1067	VRS-CY1JF682J	J 6.8k	1/16W Metal Oxide	AA	R1194	VRS-CY1JF470J	J 47	1/16W Metal Oxide	AA
R1071	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA	R1201	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1081	VRS-CY1JF203J	J 20k	1/16W Metal Oxide	AA	R1202	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R1082	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA	R1206	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1083	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA	R1209	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R1084	VRS-CY1JF203J	J 20k	1/16W Metal Oxide	AA	R1210	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R1085	VRS-CY1JF153J	J 15k	1/16W Metal Oxide	AA	R1214	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1086	VRS-CY1JF432J	J 4.3k	1/16W Metal Oxide	AA	R1215	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1087	VRS-CY1JF682J	J 6.8k	1/16W Metal Oxide	AA	R1216	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1088	VRS-CY1JF682J	J 6.8k	1/16W Metal Oxide	AA	R1218	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1089	VRS-CY1JF432J	J 4.3k	1/16W Metal Oxide	AA	R1219	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1090	VRS-CY1JF153J	J 15k	1/16W Metal Oxide	AA	R1220	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1093	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA	R1223	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1094	VRS-CY1JF203J	J 20k	1/16W Metal Oxide	AA	R1224	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1095	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA	R1225	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1102	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA	R1226	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1105	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA	R1227	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1108	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R1228	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1109	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA	R1229	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1110	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA	R1230	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1113	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA	R1231	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R1115	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R1234	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1116	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R1235	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1117	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA	R1236	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1118	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R1237	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1119	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R1239	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1120	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R1240	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R1123	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA	R1241	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1124	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA	R1242	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1125	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R1243	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1126	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R1244	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1127	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R1245	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1128	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R1246	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1129	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R1247	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1130	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R1248	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1131	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA	R1249	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1132	VRS-CY1JF560J	J 56	1/16W Metal Oxide	AA	R1254	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1133	VRS-CY1JF560J	J 56	1/16W Metal Oxide	AA	R1255	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1134	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R1256	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1135	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R1259	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1136	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R1261	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1137	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R1262	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1139	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R1271	VRS-CY1JF222J	J 2.2k	1/16W Metal Oxide	AA
R1140	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA	R1272	VRS-CY1JF222J	J 2.2k	1/16W Metal Oxide	AA
R1141	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA	R1273	VRS-CY1JF3R3J	J 3.3	1/16W Metal Oxide	AA
R1142	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA	R1274	VRS-CY1JF3R3J	J 3.3	1/16W Metal Oxide	AA
					R1275	VRS-CY1JF3R3J	J 3.3	1/16W Metal Oxide	AA
					R1276	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
					R1279	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
					R1280	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
					R1281	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code
DUNTKA694DE01/02				
OUTPUT UNIT (Continued)				
R1294	VRS-CY1JF470J	J 47	1/16W Metal Oxide	AA
R1301	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1302	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R1306	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1309	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R1310	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R1313	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1314	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1315	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1316	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1318	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1319	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1320	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1323	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1324	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1325	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1326	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1327	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1328	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1329	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1330	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1331	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R1332	VRS-CY1JF560J	J 56	1/16W Metal Oxide	AA
R1333	VRS-CY1JF560J	J 56	1/16W Metal Oxide	AA
R1334	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1335	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1336	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1337	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1339	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1340	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R1341	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1342	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1343	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1344	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1345	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1346	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1347	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1348	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1349	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1354	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1355	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1356	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1359	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1361	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1362	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1366	VRS-TV1JD270J	J 27	1/16W Metal Oxide	AA
R1367	VRS-CY1JF272J	J 2.7k	1/16W Metal Oxide	AA
R1368	VRS-CY1JF222J	J 2.2k	1/16W Metal Oxide	AA
R1371	VRS-CY1JF222J	J 2.2k	1/16W Metal Oxide	AA
R1372	VRS-CY1JF222J	J 2.2k	1/16W Metal Oxide	AA
R1373	VRS-CY1JF3R3J	J 3.3	1/16W Metal Oxide	AA
R1374	VRS-CY1JF3R3J	J 3.3	1/16W Metal Oxide	AA
R1375	VRS-CY1JF3R3J	J 3.3	1/16W Metal Oxide	AA
R1376	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1379	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1380	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1381	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1394	VRS-CY1JF470J	J 47	1/16W Metal Oxide	AA
R1401	VRN-CY1JF560D	J 56	1/16W Metal Film	AA
R1402	VRN-CY1JF560D	J 56	1/16W Metal Film	AA
R1403	VRN-CY1JF560D	J 56	1/16W Metal Film	AA
R1404	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R1405	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R1406	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R1407	VRS-CY1JF181J	J 180	1/16W Metal Oxide	AA
R1408	VRS-CY1JF181J	J 180	1/16W Metal Oxide	AA
R1409	VRS-CY1JF181J	J 180	1/16W Metal Oxide	AA
R1412	VRS-CY1JF332J	J 3.3k	1/16W Metal Oxide	AA
R1413	VRS-CY1JF332J	J 3.3k	1/16W Metal Oxide	AA
R1414	VRS-CY1JF332J	J 3.3k	1/16W Metal Oxide	AA
R1415	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code
R1416	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1417	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1418	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1419	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1420	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1421	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1422	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1423	VRS-CY1JF272J	J 2.7k	1/16W Metal Oxide	AA
R1424	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R1425	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1426	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1427	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1428	VRS-CY1JF470J	J 47	1/16W Metal Oxide	AA
R1429	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1430	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1431	VRS-TV1JD121J	J 120	1/16W Metal Oxide	AA
R1432	VRS-TV1JD121J	J 120	1/16W Metal Oxide	AA
R1433	VRS-CY1JF121J	J 120	1/16W Metal Oxide	AA
R1434	VRS-CY1JF121J	J 120	1/16W Metal Oxide	AA
R1435	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R1436	VRS-CY1JF472J	J 4.7k	1/16W Metal Oxide	AA
R1437	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R1438	VRS-CY1JF472J	J 4.7k	1/16W Metal Oxide	AA
R1440	VRS-CY1JF220F	J 22	1/16W Metal Oxide	AA
R1441	VRS-CY1JF220F	J 22	1/16W Metal Oxide	AA
R1442	VRS-CY1JF560J	J 56	1/16W Metal Oxide	AA
R1443	VRS-CY1JF560J	J 56	1/16W Metal Oxide	AA
R1444	VRS-CY1JF560J	J 56	1/16W Metal Oxide	AA
R1447	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1448	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1449	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R1450	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R1451	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1452	VRS-CY1JF222J	J 2.2k	1/16W Metal Oxide	AA
R1453	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1454	VRS-CY1JF202J	J 2.0k	1/16W Metal Oxide	AA
R1455	VRS-CY1JF302J	J 3.0k	1/16W Metal Oxide	AA
R1456	VRS-CY1JF392J	J 3.9k	1/16W Metal Oxide	AA
R1457	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1458	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R1460	VRS-CY1JF392J	J 3.9k	1/16W Metal Oxide	AA
R1464	VRS-CY1JF392J	J 3.9k	1/16W Metal Oxide	AA
R1466	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1467	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1468	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1469	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R1470	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1471	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1472	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R1473	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R1474	VRS-CY1JF123F	J 12k	1/16W Metal Oxide	AA
R1475	VRS-CY1JF102F	J 1.0k	1/16W Metal Oxide	AA
R1476	VRS-CY1JF510F	J 51	1/16W Metal Oxide	AA
R1477	VRS-TX2HF000J	J 0	1/2W Metal Oxide	AA
R1480	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1486	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1490	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R1491	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R1492	VRS-CY1JF222J	J 2.2k	1/16W Metal Oxide	AA
R1493	VRS-TX2HF5R6J	J 5.6	1/2W Metal Oxide	AA
R1494	VRS-CY1JF104J	J 100k	1/16W Metal Oxide	AA
R1495	VRS-CY1JF104J	J 100k	1/16W Metal Oxide	AA
R1496	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R1497	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R1498	VRS-CY1JF473J	J 47k	1/16W Metal Oxide	AA
R1499	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1501	VRS-CY1JF222J	J 2.2k	1/16W Metal Oxide	AA
R1502	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R1503	VRS-CY1JF561J	J 560	1/16W Metal Oxide	AA
R1504	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1505	VRS-CY1JF471J	J 470	1/16W Metal Oxide	AA
R1506	VRS-CY1JF222J	J 2.2k	1/16W Metal Oxide	AA
R1507	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R1508	VRS-CY1JF561J	J 560	1/16W Metal Oxide	AA
R1509	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
DUNTKA694DE01/02					R1705	VRS-CB1JF100J	J 10	1/16W Metal Oxide	AA
OUTPUT UNIT (Continued)					R1709	VRS-CY1JF100J	J 10	1/16W Metal Oxide	AA
R1510	VRS-CY1JF471J	J 470	1/16W Metal Oxide	AA	R1711	VRS-CY1JF100J	J 10	1/16W Metal Oxide	AA
R1511	VRS-CY1JF222J	J 2.2k	1/16W Metal Oxide	AA	R1713	VRS-CB1JF100J	J 10	1/16W Metal Oxide	AA
R1515	VRS-TX2HF100J	J 10	1/2W Metal Oxide	AA	R1717	VRS-CB1JF100J	J 10	1/16W Metal Oxide	AA
R1517	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R1721	VRS-CY1JF100J	J 10	1/16W Metal Oxide	AA
R1518	VRS-CY1JF272J	J 2.7k	1/16W Metal Oxide	AA	R1723	VRS-CY1JF100J	J 10	1/16W Metal Oxide	AA
R1522	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA	R1725	VRS-CB1JF100J	J 10	1/16W Metal Oxide	AA
R1523	VRS-CY1JF561J	J 560	1/16W Metal Oxide	AA	R1729	VRS-CB1JF100J	J 10	1/16W Metal Oxide	AA
R1524	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA	R1733	VRS-CY1JF100J	J 10	1/16W Metal Oxide	AA
R1525	VRS-CY1JF471J	J 470	1/16W Metal Oxide	AA	R1735	VRS-CY1JF100J	J 10	1/16W Metal Oxide	AA
R1526	VRS-CY1JF222J	J 2.2k	1/16W Metal Oxide	AA	R1740	VRS-CY1JF222J	J 2.2k	1/16W Metal Oxide	AA
R1527	VRS-CY1JF821J	J 820	1/16W Metal Oxide	AA	R1741	VRS-CY1JF3R3J	J 3.3	1/16W Metal Oxide	AA
R1528	VRS-CY1JF222J	J 2.2k	1/16W Metal Oxide	AA	R1742	VRS-CY1JF3R3J	J 3.3	1/16W Metal Oxide	AA
R1532	VRS-CY1JF821J	J 820	1/16W Metal Oxide	AA	R1743	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1533	VRS-CY1JF222J	J 2.2k	1/16W Metal Oxide	AA	R1744	VRS-CY1JF222J	J 2.2k	1/16W Metal Oxide	AA
R1534	VRS-CY1JF152J	J 1.5k	1/16W Metal Oxide	AA	R1745	VRS-CY1JF3R3J	J 3.3	1/16W Metal Oxide	AA
R1535	VRS-CY1JF822J	J 8.2k	1/16W Metal Oxide	AA	R1746	VRS-CY1JF222J	J 2.2k	1/16W Metal Oxide	AA
R1536	VRS-CY1JF222J	J 2.2k	1/16W Metal Oxide	AA	R1747	VRS-CY1JF3R3J	J 3.3	1/16W Metal Oxide	AA
R1537	VRS-CY1JF821J	J 820	1/16W Metal Oxide	AA	R1748	VRS-CY1JF3R3J	J 3.3	1/16W Metal Oxide	AA
R1538	VRS-CY1JF221J	J 220	1/16W Metal Oxide	AA	R1749	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1539	VRS-CY1JF471J	J 470	1/16W Metal Oxide	AA	R1750	VRS-CY1JF222J	J 2.2k	1/16W Metal Oxide	AA
R1540	VRS-CY1JF681J	J 680	1/16W Metal Oxide	AA	R1751	VRS-CY1JF3R3J	J 3.3	1/16W Metal Oxide	AA
R1541	VRS-CY1JF221J	J 220	1/16W Metal Oxide	AA	R1752	VRS-CY1JF222J	J 2.2k	1/16W Metal Oxide	AA
R1542	VRS-CY1JF681J	J 680	1/16W Metal Oxide	AA	R1753	VRS-CY1JF3R3J	J 3.3	1/16W Metal Oxide	AA
R1543	VRS-CY1JF471J	J 470	1/16W Metal Oxide	AA	R1754	VRS-CY1JF3R3J	J 3.3	1/16W Metal Oxide	AA
R1544	VRS-CY1JF221J	J 220	1/16W Metal Oxide	AA	R1755	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1545	VRS-CY1JF471J	J 470	1/16W Metal Oxide	AA	R1756	VRS-CY1JF3R3J	J 3.3	1/16W Metal Oxide	AA
R1546	VRS-CY1JF681J	J 680	1/16W Metal Oxide	AA	R1757	VRS-CY1JF222J	J 2.2k	1/16W Metal Oxide	AA
R1549	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R1758	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1550	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R1760	VRS-CY1JF223J	J 22k	1/16W Metal Oxide	AA
R1551	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R1761	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R1557	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R1762	VRS-CY1JF153J	J 15k	1/16W Metal Oxide	AA
R1558	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R1763	VRS-CY1JF153J	J 15k	1/16W Metal Oxide	AA
R1559	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R1764	VRS-CY1JF153J	J 15k	1/16W Metal Oxide	AA
R1561	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R1765	VRS-CY1JF153J	J 15k	1/16W Metal Oxide	AA
R1562	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R1766	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R1563	VRS-CY1JF682J	J 6.8k	1/16W Metal Oxide	AA	R1767	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R1565	VRS-CY1JF104J	J 100k	1/16W Metal Oxide	AA	R1768	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1566	VRS-CY1JF104J	J 100k	1/16W Metal Oxide	AA	R1769	VRS-CY1JF100J	J 10	1/16W Metal Oxide	AA
R1567	VRN-CY1JF562D	J 5.6k	1/16W Metal Film	AB	R1770	VRS-CY1JF100J	J 10	1/16W Metal Oxide	AA
R1568	VRS-CY1JF470J	J 47	1/16W Metal Oxide	AA	R1771	VRS-CY1JF100J	J 10	1/16W Metal Oxide	AA
R1575	VRS-CY1JF470J	J 47	1/16W Metal Oxide	AA	R1772	VRS-CY1JF100J	J 10	1/16W Metal Oxide	AA
R1576	VRS-CY1JF470J	J 47	1/16W Metal Oxide	AA	R1773	VRS-CY1JF100J	J 10	1/16W Metal Oxide	AA
R1586	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA	R1774	VRS-CY1JF100J	J 10	1/16W Metal Oxide	AA
R1602	VRS-CY1JF000J	J 00	1/16W Metal Oxide	AA	R1775	VRS-CY1JF100J	J 10	1/16W Metal Oxide	AA
R1606	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA	R1776	VRS-CY1JF100J	J 10	1/16W Metal Oxide	AA
R1607	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA	R1777	VRS-CY1JF100J	J 10	1/16W Metal Oxide	AA
R1608	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA	R1778	VRS-CY1JF100J	J 10	1/16W Metal Oxide	AA
R1609	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA	R1779	VRS-CY1JF100J	J 10	1/16W Metal Oxide	AA
R1610	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA	R1780	VRS-CY1JF100J	J 10	1/16W Metal Oxide	AA
R1611	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA	R1781	VRS-CY1JF100J	J 10	1/16W Metal Oxide	AA
R1612	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA	R1782	VRS-CY1JF100J	J 10	1/16W Metal Oxide	AA
R1613	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA	R1783	VRS-CY1JF100J	J 10	1/16W Metal Oxide	AA
R1626	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA	R1784	VRS-CY1JF100J	J 10	1/16W Metal Oxide	AA
R1627	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA	R1785	VRS-CY1JF100J	J 10	1/16W Metal Oxide	AA
R1628	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA	R1786	VRS-CY1JF100J	J 10	1/16W Metal Oxide	AA
R1629	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA	R1787	VRS-CY1JF100J	J 10	1/16W Metal Oxide	AA
R1630	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA	R1788	VRS-CY1JF100J	J 10	1/16W Metal Oxide	AA
R1632	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA	R1789	VRS-CY1JF100J	J 10	1/16W Metal Oxide	AA
R1633	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA	R1790	VRS-CY1JF100J	J 10	1/16W Metal Oxide	AA
R1634	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA	R5003	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R1635	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA	R5004	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R1636	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA	R5005	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1637	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA	R5006	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R1637	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA	R5008	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R1648	VRS-TV1JD000J	J 0	1/16W Metal Oxide	AA	R5010	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1650	VRS-CY1JF183J	J 18k	1/16W Metal Oxide	AA	R5011	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R1651	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R5012	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1653	VRS-CY1JF333J	J 33k	1/16W Metal Oxide	AA	R5013	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R1654	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R5016	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1657	VRS-CY1JF393J	J 39k	1/16W Metal Oxide	AA	R5017	VRS-TX2HF3R9J	J 3.9	1/2W Metal Oxide	AB
R1658	VRS-CY1JF393J	J 39k	1/16W Metal Oxide	AA	R5018	VRS-TX2HF3R9J	J 3.9	1/2W Metal Oxide	AB
R1701	VRS-CB1JF100J	J 10	1/16W Metal Oxide	AA	R5022	VRS-TX2HF3R9J	J 3.9	1/2W Metal Oxide	AB
					R5023	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code
DUNTKA694DE01/02				
OUTPUT UNIT (Continued)				
R5024	VR5-TX2HF3R9J	J 3.9	1/2W Metal Oxide	AB
R5031	VR5-CY1JF000J	J 0	1/16W Metal Oxide	AA
R5032	VR5-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R5035	VR5-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R5036	VR5-TW2ED470J	J 47	1/4W Metal Oxide	AA
R5037	VR5-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R5038	VR5-TW2ED101J	J 100	1/4W Metal Oxide	AA
R5039	VR5-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R5040	VR5-TW2ED221J	J 220	1/4W Metal Oxide	AA
R5041	VR5-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R5042	VR5-TW2ED221J	J 220	1/4W Metal Oxide	AA
R5043	VR5-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R5044	VR5-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R5045	VR5-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R5046	VR5-TW2ED221J	J 220	1/4W Metal Oxide	AA
R5047	VR5-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R5048	VR5-TX2HF220J	J 22	1/2W Metal Oxide	AB
R5053	VR5-CA1JF101J	J 100	1/16W Metal Oxide	AA
R5055	VR5-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R5074	VR5-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R5075	VR5-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R5076	VR5-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R5081	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA
R5082	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA
R5084	VR5-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R5093	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA
R5099	VR5-CY1JF471J	J 470	1/16W Metal Oxide	AA
R5105	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA
R5106	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA
R5107	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA
R5108	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA
R5109	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA
R5110	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA
R5111	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA
R5112	VR5-TW2ED000J	J 0	1/4W Metal Oxide	AB
R5113	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA
R5114	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA
R5121	VR5-CY1JF272J	J 2.7k	1/16W Metal Oxide	AA
R5125	VR5-CY1JF000J	J 0	1/16W Metal Oxide	AA
R5126	VR5-CY1JF000J	J 0	1/16W Metal Oxide	AA
R5127	VR5-CY1JF000J	J 0	1/16W Metal Oxide	AA
R5128	VR5-CY1JF272J	J 2.7k	1/16W Metal Oxide	AA
R5129	VR5-CY1JF000J	J 0	1/16W Metal Oxide	AA
R5130	VR5-CY1JF000J	J 0	1/16W Metal Oxide	AA
R5133	VR5-CY1JF272J	J 2.7k	1/16W Metal Oxide	AA
R5135	VR5-CY1JF272J	J 2.7k	1/16W Metal Oxide	AA
R5140	VRN-CY1JF682D	J 6.8k	1/16W Metal Film	AB
R5142	VRN-CY1JF222D	J 2.2k	1/16W Metal Film	AB
R5146	VR5-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R5147	VR5-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R5150	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA
R5151	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA
R5152	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA
R5153	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA
R5155	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA
R5157	VR5-CY1JF272J	J 2.7k	1/16W Metal Oxide	AA
R5159	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA
R5161	VR5-CY1JF222J	J 2.2k	1/16W Metal Oxide	AA
R5162	VR5-CY1JF000J	J 0	1/16W Metal Oxide	AA
R5163	VR5-CY1JF000J	J 0	1/16W Metal Oxide	AA
R5164	VR5-CY1JF000J	J 0	1/16W Metal Oxide	AA
R5165	VR5-CY1JF000J	J 0	1/16W Metal Oxide	AA
R5167	VR5-CY1JF000J	J 0	1/16W Metal Oxide	AA
R5168	VR5-TV1JD000J	J 0	1/16W Metal Oxide	AA
R5169	VR5-TV1JD000J	J 0	1/16W Metal Oxide	AA
R5170	VR5-TV1JD000J	J 0	1/16W Metal Oxide	AA
R5171	VR5-CY1JF100J	J 10	1/16W Metal Oxide	AA
R5172	VR5-CY1JF562J	J 5.6k	1/16W Metal Oxide	AA
R5173	VR5-CY1JF562J	J 5.6k	1/16W Metal Oxide	AA
R5174	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA
R5175	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code
R5176	VR5-CY1JF104J	J 100k	1/16W Metal Oxide	AA
R5177	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA
R5178	VR5-CY1JF104J	J 100k	1/16W Metal Oxide	AA
R5179	VR5-CY1JF104J	J 100k	1/16W Metal Oxide	AA
R5181	VR5-CY1JF104J	J 100k	1/16W Metal Oxide	AA
R5182	VR5-CY1JF100J	J 10	1/16W Metal Oxide	AA
R5183	VR5-CY1JF104J	J 100k	1/16W Metal Oxide	AA
R5184	VR5-CY1JF104J	J 100k	1/16W Metal Oxide	AA
R5185	VR5-CY1JF104J	J 100k	1/16W Metal Oxide	AA
R5186	VR5-CY1JF104J	J 100k	1/16W Metal Oxide	AA
R5187	VR5-CB1JF104J	J 100k	1/16W Metal Oxide	AA
R5188	VR5-CB1JF100J	J 10	1/16W Metal Oxide	AA
R5189	VR5-CY1JF104J	J 100k	1/16W Metal Oxide	AA
R5190	VR5-CY1JF100J	J 10	1/16W Metal Oxide	AA
R5191	VR5-CY1JF100J	J 10	1/16W Metal Oxide	AA
R5192	VR5-CY1JF100J	J 10	1/16W Metal Oxide	AA
R5193	VR5-CY1JF100J	J 10	1/16W Metal Oxide	AA
R5194	VR5-CY1JF100J	J 10	1/16W Metal Oxide	AA
R5195	VR5-CY1JF100J	J 10	1/16W Metal Oxide	AA
R5196	VR5-CY1JF104J	J 100k	1/16W Metal Oxide	AA
R5197	VR5-CY1JF104J	J 100k	1/16W Metal Oxide	AA
R5198	VR5-CY1JF100J	J 10	1/16W Metal Oxide	AA
R5199	VR5-CY1JF100J	J 10	1/16W Metal Oxide	AA
R5200	VR5-CY1JF100J	J 10	1/16W Metal Oxide	AA
R5201	VR5-CY1JF000J	J 0	1/16W Metal Oxide	AA
R5202	VR5-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R5204	VR5-CY1JF332J	J 3.3k	1/16W Metal Oxide	AA
R5205	VR5-CY1JF104J	J 100k	1/16W Metal Oxide	AA
R5206	VRN-CY1JF123D	J 12k	1/16W Metal Film	AB
R5506	VR5-TX2HF2R2J	J 2.2	1/2W Metal Oxide	AB
R5507	VR5-TX2HF2R2J	J 2.2	1/2W Metal Oxide	AB
R5509	VR5-CB1JF102J	J 1.0k	1/16W Metal Oxide	AA
R5510	VR5-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R5512	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA
R5513	VR5-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R5514	VR5-TQ2BD000J	J 0	1/8W Metal Oxide	AA
R5515	VR5-TQ2BD000J	J 0	1/8W Metal Oxide	AA
R5516	VR5-TQ2BD000J	J 0	1/8W Metal Oxide	AA
R5517	VR5-TQ2BD000J	J 0	1/8W Metal Oxide	AA
R5518	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA
R5519	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA
R5520	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA
R5521	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA
R5522	VR5-CY1JF000J	J 0	1/16W Metal Oxide	AA
R5523	VR5-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R5524	VR5-CY1JF273J	J 27k	1/16W Metal Oxide	AA
R5525	VRN-CY1JF183D	J 18k	1/16W Metal Film	AA
R5526	VR5-CY1JF224J	J 220k	1/16W Metal Oxide	AA
R5527	VRN-CY1JF362D	J 3.6k	1/16W Metal Film	AC
R5528	VR5-CY1JF472J	J 4.7k	1/16W Metal Oxide	AA
R5529	VR5-CY1JF392J	J 3.9k	1/16W Metal Oxide	AA
R5530	VR5-CY1JF472J	J 4.7k	1/16W Metal Oxide	AA
R5536	VR5-CY1JF821J	J 820	1/16W Metal Oxide	AA
R5537	VR5-CY1JF332J	J 3.3k	1/16W Metal Oxide	AA
R5538	VR5-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R5539	VR5-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R5540	VR5-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R5544	VR5-CY1JF512F	J 5.1k	1/16W Metal Oxide	AA
R5545	VR5-CY1JF362F	J 3.6k	1/16W Metal Oxide	AA
R5546	VR5-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R5547	VR5-CY1JF000J	J 0	1/16W Metal Oxide	AA
R5550	VR5-CY1JF393J	J 39k	1/16W Metal Oxide	AA
R5551	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA
R5552	VR5-CY1JF223J	J 22k	1/16W Metal Oxide	AA
R5553	VR5-CY1JF223J	J 22k	1/16W Metal Oxide	AA
R5554	VR5-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R5555	VR5-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R5557	VR5-TV1JD000J	J 0	1/16W Metal Oxide	AA
R5570	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA
R5571	VRN-CY1JF273D	J 27k	1/16W Metal Film	AB
R5578	VR5-CY1JF222F	J 2.2k	1/16W Metal Oxide	AA
R5579	VR5-CY1JF153F	J 15k	1/16W Metal Oxide	AA
R5580	VR5-CY1JF224F	J 220k	1/16W Metal Oxide	AA
R5590	VR5-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R5592	VR5-CY1JF103J	J 10k	1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
DUNTKA694DE01/02					DUNTK9769DE24/25				
OUTPUT UNIT (Continued)					VIDEO UNIT				
R5593	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA	FB5518	RBLN-0065CEZZ	J	Frrite Bead	AB
R5594	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA	FB5519	RBLN-0065CEZZ	J	Frrite Bead	AB
R5595	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA	FB5521	RBLN-0062CEZZ	J	Frrite Bead	AC
R5596	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA	P5501	QPLGN0174FJZZ	J	Plug 2-Pin	AC
R5597	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA	P5502	QPLGN0763TAZZ	J	Plug 7-Pin	AD
R5598	VRS-TX2HF2R2J	J	2.2 1/2W Metal Oxide	AB	P5503	QPLGN0264TAZZ	J	Plug 2-Pin	AC
R5599	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA	P5504	QPLGN0174FJZZ	J	Plug 2-Pin	AC
R5600	VRS-CY1JF222F	J	2.2k 1/16W Metal Oxide	AA	P5505	QPLGN0176FJZZ	J	Plug 4-Pin	AD
R5601	VRS-CY1JF183F	J	18k 1/16W Metal Oxide	AA	P5506	QPLGN0176FJZZ	J	Plug 4-Pin	AD
R5602	VRS-CY1JF393F	J	39k 1/16W Metal Oxide	AA	P5507	QPLGN0364TAZZ	J	Plug 3-Pin	AC
R5603	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA	P5508	QPLGN0464TAZZ	J	Plug 8-Pin	AC
R5604	VRS-TX2HF2R2J	J	2.2 1/2W Metal Oxide	AB	P5509	QPLGN0436FJZZ	J	Plug 28-Pin	AE
R5619	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA	P5510	QPLGN0564TAZZ	J	Plug 5-Pin	AC
R5620	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA	P5511	QPLGN0175FJZZ	J	Plug 3-Pin	AD
R5621	VRS-TX2HF2R2J	J	2.2 1/2W Metal Oxide	AB	SC1101	QSOCN3071TAZZ	J	Socket 30-Pin (R)	AE
R5622	VRS-TX2HF2R2J	J	2.2 1/2W Metal Oxide	AB	SC1201	QSOCN3071TAZZ	J	Socket 30-Pin (G)	AE
R5623	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA	SC1301	QSOCN3071TAZZ	J	Socket 30-Pin (B)	AE
R5624	VRS-CY1JF153F	J	15k 1/16W Metal Oxide	AA	SC1404	QCNCW6054TAZZ	J	Socket 60-Pin	AK
R5625	VRS-CY1JF222F	J	2.2k 1/16W Metal Oxide	AA	SC1405	QCNCW6054TAZZ	J	Socket 60-Pin	AK
R5626	VRS-CY1JF683F	J	68k 1/16W Metal Oxide	AA	SC1501	QSOCZ2058CEZZ	J	Socket 20-Pin	AG
R5628	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA	SC1502	QSOCZ2058CEZZ	J	Socket 20-Pin	AG
R5629	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA	SC5001	QSOCN1897REZZ	J	Socket 18-Pin	AE
R5630	VRS-CY1JF393J	J	39k 1/16W Metal Oxide	AA	SC5502	QCNCW6054TAZZ	J	Socket 60-Pin	AK
R5631	VRN-CY1JF272D	J	2.7k 1/16W Metal Film	AB	RMC7502	RRCMU0237CEZZ	J	R/C Receiver	AF
R5632	VRN-CY1JF101D	J	100 1/16W Metal Film	AB		PSLDC3076CEFN	J	Shield	AE
R5636	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA					
R5637	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA					
SWITCH					INTEGRATED CIRCUITS				
SW5101	QSW-K0065GEZZ	J	Key Switch	AC	IC6001	VHINJM2245M-1	J	NJM2245M	AF
MISCELLANEOUS PARTS					IC6004	VHiMC141627-1	J	MC141627FT	AY
F1401	QFS-L8012CEZZ	J	Fuse 0.8A	AF	TRANSISTORS				
F1601	QFS-L8012CEZZ	J	Fuse 0.8A	AF	Q6002	VS2SA1530AR-1	J	2SA1530AR	AB
FB1101	RBLN-0059CEZZ	J	Frrite Bead	AB	Q6003	VS2SC3928AR-1	J	2SC3928AR	AB
FB1102	RBLN-0059CEZZ	J	Frrite Bead	AB	Q6004	VS2SC3928AR-1	J	2SC3928AR	AB
FB1104	RBLN-0059CEZZ	J	Frrite Bead	AB	Q6008	VS2SC3928AR-1	J	2SC3928AR	AB
FB1105	RBLN-0059CEZZ	J	Frrite Bead	AB	Q6009	VS2SC3928AR-1	J	2SC3928AR	AB
FB1107	RBLN-0059CEZZ	J	Frrite Bead	AB	Q6010	VS2SA1530AR-1	J	2SA1530AR	AB
FB1108	RBLN-0067CEZZ	J	Frrite Bead	AC	Q6013	VS2SC3928AR-1	J	2SC3928AR	AB
FB1109	RBLN-0067CEZZ	J	Frrite Bead	AC	Q6015	VSIMX2////-1	J	iMX2	AB
FB1201	RBLN-0059CEZZ	J	Frrite Bead	AB	DIODES				
FB1202	RBLN-0059CEZZ	J	Frrite Bead	AB	D6001	RH-EX0226CEZZ	J	Zener Diode	AB
FB1204	RBLN-0059CEZZ	J	Frrite Bead	AB	D6007	VHDM153///-1	J	Diode	AB
FB1205	RBLN-0059CEZZ	J	Frrite Bead	AB	D6009	VHD1SS355//1	J	Diode	AB
FB1206	RBLN-0059CEZZ	J	Frrite Bead	AB	D6010	RH-EX0228CEZZ	J	Zener Diode	AB
FB1301	RBLN-0059CEZZ	J	Frrite Bead	AB	FILTERS AND COILS				
FB1302	RBLN-0059CEZZ	J	Frrite Bead	AB	FL6002	RFiLN0124GEZZ	J	Filter	AD
FB1304	RBLN-0059CEZZ	J	Frrite Bead	AB	FL6003	RFiLN0124GEZZ	J	Filter	AD
FB1305	RBLN-0059CEZZ	J	Frrite Bead	AB	FL6004	RFiLN0124GEZZ	J	Filter	AD
FB1306	RBLN-0059CEZZ	J	Frrite Bead	AB	FL6005	RFiLN0124GEZZ	J	Filter	AD
FB1401	RBLN-0059CEZZ	J	Frrite Bead	AB	FL6006	RFiLN0124GEZZ	J	Filter	AD
FB1402	RBLN-0059CEZZ	J	Frrite Bead	AB	FL6011	RCiLF0316CEZZ	J	Filter	AG
FB1405	RBLN-0059CEZZ	J	Frrite Bead	AB	FL6012	RCiLF0316CEZZ	J	Filter	AG
FB1511	RBLN-0065CEZZ	J	Frrite Bead	AB	L6001	VP-1M270J3R8N	J	Peaking 27μH	AC
FB5001	RBLN-0062CEZZ	J	Frrite Bead	AC	L6002	VP-1M330J4R2N	J	Peaking 33μH	AC
FB5101	RBLN-0059CEZZ	J	Frrite Bead	AB	L6003	VP-1M330J4R2N	J	Peaking 33μH	AC
FB5501	RBLN-0062CEZZ	J	Frrite Bead	AC	CAPACITORS				
FB5502	RBLN-0062CEZZ	J	Frrite Bead	AC	C6001	VCEAPF1CW106M	J	10 16V Electrolytic	AB
FB5504	RBLN-0065CEZZ	J	Frrite Bead	AB	C6005	VCEAPF1CW226M	J	22 16V Electrolytic	AB
FB5505	RBLN-0065CEZZ	J	Frrite Bead	AB	C6013	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
FB5507	RBLN-0062CEZZ	J	Frrite Bead	AC	C6014	VCEAPF1CW106M	J	10 16V Electrolytic	AB
FB5508	RBLN-0062CEZZ	J	Frrite Bead	AC					
FB5509	RBLN-0062CEZZ	J	Frrite Bead	AC					
FB5510	RBLN-0062CEZZ	J	Frrite Bead	AC					
FB5512	RBLN-0065CEZZ	J	Frrite Bead	AB					
FB5513	RBLN-0065CEZZ	J	Frrite Bead	AB					
FB5514	RBLN-0065CEZZ	J	Frrite Bead	AB					
FB5515	RBLN-0065CEZZ	J	Frrite Bead	AB					
FB5516	RBLN-0067CEZZ	J	Frrite Bead	AC					
FB5517	RBLN-0067CEZZ	J	Frrite Bead	AC					

Ref. No.	Part No.	★	Description	Code
DUNTK9769DE24/25				
VIDEO UNIT (Continued)				
C6015	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C6016	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C6017	VCEAPF0JW476M	J 47	6.3V Electrolytic	AB
C6018	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C6019	VCEAPF1CW106M	J 10	16V Electrolytic	AB
C6020	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C6021	VCEAPF1CW106M	J 10	16V Electrolytic	AB
C6022	VCEAPF1HW105M	J 1.0	50V Electrolytic	AB
C6023	VCCCCY1HH270J	J 27p	50V Ceramic	AA
C6024	VCCCCY1HH270J	J 27p	50V Ceramic	AA
C6025	VCEAPF1CW226M	J 22	16V Electrolytic	AB
C6026	VCCCCY1HH101J	J 100p	50V Ceramic	AA
C6027	VCE9PF1HW105M	J 1.0	50V Elect.(N.P)	AC
C6029	VCKYCY1HB103K	J 0.01	50V Ceramic	AA
C6030	VCEAPF1HW105M	J 1.0	50V Electrolytic	AB
C6031	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C6035	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C6037	VCEAPF0JW226M	J 22	6.3V Electrolytic	AB
C6038	VCEAPF0JW226M	J 22	6.3V Electrolytic	AB
C6039	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
C6040	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
C6041	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C6042	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C6043	VCKYCY1HB103K	J 0.01	50V Ceramic	AA
C6044	VCKYCY1CF104Z	J 0.1	16V Ceramic	AA
C6045	VCKYCY1HB103K	J 0.01	50V Ceramic	AA

RESISTORS

R6001	VRS-CY1JF100J	J 10	1/16W Metal Oxide	AA
R6002	VRS-TQ2BD750J	J 75	1/8W Metal Oxide	AA
R6003	VRS-TQ2BD750J	J 75	1/8W Metal Oxide	AA
R6004	VRS-CY1JF100J	J 10	1/16W Metal Oxide	AA
R6005	VRS-TQ2BD750J	J 75	1/8W Metal Oxide	AA
R6006	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R6008	VRS-CY1JF123J	J 12k	1/16W Metal Oxide	AA
R6011	VRS-CY1JF4R7J	J 4.7	1/16W Metal Oxide	AA
R6047	VRS-CY1JF473J	J 47k	1/16W Metal Oxide	AA
R6049	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R6050	VRS-CY1JF560J	J 56	1/16W Metal Oxide	AA
R6051	VRS-CY1JF473J	J 47k	1/16W Metal Oxide	AA
R6052	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R6053	VRS-CY1JF754J	J 750k	1/16W Metal Oxide	AA
R6054	VRS-CY1JF473J	J 47k	1/16W Metal Oxide	AA
R6055	VRS-CY1JF560J	J 56	1/16W Metal Oxide	AA
R6056	VRS-TV1JD152J	J 1.5k	1/16W Metal Oxide	AA
R6057	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R6058	VRS-CY1JF273J	J 27k	1/16W Metal Oxide	AA
R6059	VRS-CY1JF273J	J 27k	1/16W Metal Oxide	AA
R6060	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R6061	VRS-CY1JF560J	J 56	1/16W Metal Oxide	AA
R6062	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R6063	VRS-CY1JF393J	J 39k	1/16W Metal Oxide	AA
R6064	VRS-CY1JF393J	J 39k	1/16W Metal Oxide	AA
R6069	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R6070	VRS-CY1JF153J	J 15k	1/16W Metal Oxide	AA
R6071	VRS-CY1JF152J	J 1.5k	1/16W Metal Oxide	AA
R6072	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R6073	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R6074	VRS-CY1JF102J	J 1.0k	1/16W Metal Oxide	AA
R6075	VRS-CY1JF153J	J 15k	1/16W Metal Oxide	AA
R6076	VRS-CY1JF332J	J 3.3k	1/16W Metal Oxide	AA
R6081	VRS-CY1JF185J	J 1.8M	1/16W Metal Oxide	AA
R6082	VRS-CY1JF563J	J 56k	1/16W Metal Oxide	AA
R6085	VRS-CY1JF121J	J 120	1/16W Metal Oxide	AA
R6087	VRS-TQ2BD000J	J 0	1/8W Metal Oxide	AA
R6088	VRS-TQ2BD000J	J 0	1/8W Metal Oxide	AA
R6089	VRS-CY1JF123J	J 12k	1/16W Metal Oxide	AA
R6090	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R6091	VRS-CY1JF224J	J 220k	1/16W Metal Oxide	AA
R6092	VRS-CY1JF224J	J 220k	1/16W Metal Oxide	AA
R6094	VRS-CY1JF392J	J 3.9k	1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code
R6095	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R6096	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

FB6001	RBLN-0067CEZZ	J	Frrite Bead	AC
FB6013	RBLN-0059CEZZ	J	Frrite Bead	AB
FB6014	RBLN-0059CEZZ	J	Frrite Bead	AB
FB6015	RBLN-0059CEZZ	J	Frrite Bead	AB
FB6016	RBLN-0059CEZZ	J	Frrite Bead	AB
FB6017	RBLN-0059CEZZ	J	Frrite Bead	AB
FB6019	RBLN-0062CEZZ	J	Frrite Bead	AC
FB6020	RBLN-0062CEZZ	J	Frrite Bead	AC
FB6021	RBLN-0062CEZZ	J	Frrite Bead	AC
FB6022	RBLN-0062CEZZ	J	Frrite Bead	AC
J6001	QJAKG0049CEZZ	J	Jack (AV-In)	AH
J6003	QSOC0403GEZZ	J	Jack (S-Video-In)	AE
SC6001	QSOCZ3043CEZZ	J	Socket 30-Pin (VS)	AG
	PSLDM4519CEFW	J	Shield	AK
	QEARP0093CEFN	J	Shield	AE

RUNTK0677CEZZ**INLET UNIT****PACKAGED CIRCUIT**

△ TNR761	9FJ0F20001280	J	ENE471D10A	AD
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COILS

△ L761	9FJ0L05001460	J	ADR18-03-030Y	AN
△ L762	9FJ0L05001460	J	ADR18-03-030Y	AN
L763	9FJ0L08001660	J	AFP10-60-080	AG

CAPACITORS

△ C761	9FJ0C34001763	J 0.22	250V M.Polyester	AF
△ C762	9FJ0C51001223	J 1000p	250V Ceramic	AD
△ C763	9FJ0C51001223	J 1000p	250V Ceramic	AD
△ C764	9FJ0C34001753	J 0.1	250V M.Polyester	AE
△ C765	9FJ0C34001763	J 0.22	250V M.Polyester	AF
△ C766	9FJ0C34001763	J 0.22	250V M.Polyester	AF
△ C767	9FJ0C34001763	J 0.22	250V M.Polyester	AF

RESISTOR

△ R761	9FJ0R11002110	J	470k 1/2W	AC
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MISCELLANEOUS PARTS

△ F761	9FJ0E02101020	J	Fuse 5A 250V	AG
	9FJ0G10003930	J	Connector, 3-pin (PF) S2P3-VH	AD

RDENC0334CEZZ**POWER UNIT****INTEGRATED CIRCUITS**

△ IC701	9FJ0F01901370	J	FA5332P	AW
△ IC702	9FJ0F09001050	J	FA5315P	AN
IC703	9FJ0F01102505	J	HA17431VLPEL	AF

TRANSISTORS

Q701	9FJ0Q02001725	J	2SC4409	AE
Q702	9FJ0Q11001592	J	2SK2837	AU
Q703	9FJ0D40010160	J	TF561S	AK
Q704	9FJ0Q11010692	J	2SK2605	AR
Q705	9FJ0Q00001065	J	2SA1162YT	AC

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
RDENC0334CEZZ					RESISTORS				
POWER UNIT(Continued)					R701	9FJ0R94201715	J	9.1k 1/2W Chip	AB
DIODES					R702	9FJ0R94201715	J	9.1k 1/2W Chip	AB
△ D701	9FJ0D14000122	J	Diode RBV-606	AK	R703	9FJ0R91201445	J	47k 1/10W Chip	AB
D702	9FJ0D01010035	J	Diode TVR5JTPA	AC	R704	9FJ0R94201005	J	10 1/2W Chip	AC
D703	9FJ0D00001005	J	Diode 1SS119T	AB	R705	9FJ0R17070491	J	10 2W Metal Oxide	AC
D704	9FJ0D01010035	J	Diode TVR5JTPA	AC	R706	9FJ0R70010070	J	10 5W Cement	AH
D705	9FJ0D01010035	J	Diode TVR5JTPA	AC	R707	9FJ0R22110330	J	0.1 5W Cement	AF
D706	9FJ0D01001555	J	Diode AK03V0	AD	R708	9FJ0R94201305	J	3.3k 1/2W Chip	AD
D707	9FJ0D24001240	J	Diode SF10L60U	AG	R709	9FJ0R91201245	J	1k 1/10W Chip	AB
D708	9FJ0D01010035	J	Diode TVR5JTPA	AC	R710	9FJ0R91501065	J	470k 1/10W Chip	AB
D709	9FJ0D01010035	J	Diode TVR5JTPA	AC	R711	9FJ0R91501065	J	470k 1/10W Chip	AB
D710	9FJ0D01010035	J	Diode TVR5JTPA	AC	R712	9FJ0R91501065	J	470k 1/10W Chip	AB
D711	9FJ0D24001230	J	Diode SF10SC6	AK	R713	9FJ0R91501025	J	8.2k 1/10W Chip	AB
D712	9FJ0D03001113	J	Diode S3L20U	AG	R714	9FJ0R91501065	J	470k 1/10W Chip	AB
D713	9FJ0D23010022	J	Diode FMX12S	AH	R715	9FJ0R91501065	J	470k 1/10W Chip	AB
ZD701	9FJ0D31181695	J	Zener Diode RD24JSAB2TA	AC	R716	9FJ0R91501065	J	470k 1/10W Chip	AB
ZD702	9FJ0D31181695	J	Zener Diode RD24JSAB2TA	AC	R718	9FJ0R91501005	J	5.6k 1/10W Chip	AB
ZD703	9FJ0D31181695	J	Zener Diode RD24JSAB2TA	AC	R719	9FJ0R91501065	J	470k 1/10W Chip	AB
ZD704	9FJ0D31181695	J	Zener Diode RD24JSAB2TA	AC	R720	9FJ0R91501065	J	470k 1/10W Chip	AB
ZD705	9FJ0D31110125	J	Zener Diode RD5.1JSAB2TA	AD	R721	9FJ0R91501065	J	470k 1/10W Chip	AB
PACKAGED CIRCUITS					R722	9FJ0R91501005	J	5.6k 1/10W Chip	AB
△ PC701	9FJ0F10010931	J	Photo Coupler TLP721FD4GR	AG	R723	9FJ0R91201505	J	150k 1/10W Chip	AB
△ PC702	9FJ0F10010931	J	Photo Coupler TLP721FD4GR	AG	R724	9FJ0R91201425	J	33k 1/10W Chip	AB
△ PC703	9FJ0F10010931	J	Photo Coupler TLP721FD4GR	AG	R725	9FJ0R91201455	J	56k 1/10W Chip	AB
COILS AND TRANSFORMER					R726	9FJ0R91201365	J	10k 1/10W Chip	AB
L701	9FJ0L08001850	J	Inductor THNW23-06251	AY	R727	9FJ0R91201055	J	27 1/10W Chip	AB
L702	9FJ0L08001025	J	Inductor B-01-AT	AC	R728	9FJ0R91201405	J	22k 1/10W Chip	AB
L703	9FJ0L08001025	J	Inductor B-01-AT	AC	R729	9FJ0R91201485	J	100k 1/10W Chip	AB
L704	9FJ0L08001025	J	Inductor B-01-AT	AC	R730	9FJ0R92201115	J	82 1/8W Chip	AB
△ T701	9FJ0L00501170	J	Transformer 050117	AT	R731	9FJ0R91201005	J	10 1/10W Chip	AB
CONTROL					R733	9FJ0R94201715	J	9.1k 1/2W Chip	AB
VR701	9FJ0R60001255	J	1k EVNDXAA03B13	AE	R734	9FJ0R94201715	J	9.1k 1/2W Chip	AB
CAPACITORS					R735	9FJ0R91201445	J	47k 1/10W Chip	AB
C701	9FJ0C32410040	J	2.2 400V M.Polyester	AN	R736	9FJ0R91201665	J	5.1k 1/10W Chip	AB
C702	9FJ0C50004335	J	0.22 25V Ceramic (Chip)	AD	R737	9FJ0R91201245	J	1k 1/10W Chip	AB
C703	9FJ0C01401985	J	100 35V Electrolytic	AE	R738	9FJ0R91201105	J	68 1/10W Chip	AB
C704	9FJ0C01502455	J	22 50V Electrolytic	AC	R739	9FJ0R91201005	J	10 1/10W Chip	AB
C705	9FJ0C50003455	J	470p 1kV Ceramic	AK	R740	9FJ0R93201125	J	100 1/4W Chip	AC
C706	9FJ0C02801643	J	150 420V Electrolytic	AT	R741	9FJ0R93201005	J	10 1/4W Chip	AB
C707	9FJ0C50002015	J	0.01 50V Ceramic	AB	R742	9FJ0R91201365	J	10k 1/10W Chip	AB
C708	9FJ0C50004365	J	0.15 25V Ceramic (Chip)	AC	R743	9FJ0R94001095	J	0.22 1/2W Chip	AG
C709	9FJ0C50004375	J	68p 50V Ceramic (Chip)	AC	R744	9FJ0R17071411	J	68k 2W Metal Oxide	AD
C710	9FJ0C50011465	J	470p 50V Ceramic (Chip)	AC	R745	9FJ0R91201245	J	1k 1/10W Chip	AB
C711	9FJ0C50002635	J	0.047 50V Ceramic	AC	R746	9FJ0R91201165	J	220 1/10W Chip	AB
C712	9FJ0C50011465	J	470p 50V Ceramic (Chip)	AC	R747	9FJ0R91201665	J	5.1k 1/10W Chip	AB
C713	9FJ0C50002015	J	0.01 50V Ceramic	AB	R748	9FJ0R91201305	J	3.3k 1/10W Chip	AB
C714	9FJ0C50004365	J	0.15 25V Ceramic (Chip)	AC	R749	9FJ0R91201305	J	3.3k 1/10W Chip	AB
△ C716	9FJ0C51001223	J	1000p 4kV Ceramic	AD	R750	9FJ0R91201125	J	100 1/10W Chip	AB
C717	9FJ0C50002015	J	0.01 50V Ceramic	AB	R753	9FJ0R94201305	J	3.3k 1/2W Chip	AD
C718	9FJ0C21201035	J	4700p 200V Ceramic	AF	R754	9FJ0R94201715	J	9.1k 1/2W Chip	AB
C719	9FJ0C50010715	J	220p 1kV Ceramic	AD	R755	9FJ0R94201715	J	9.1k 1/2W Chip	AB
C720	9FJ0C50004325	J	0.22 16V Ceramic (Chip)	AD	R756	9FJ0R16080255	J	1 1W Metal Oxide	AC
C721	9FJ0C50011465	J	470p 50V Ceramic (Chip)	AC	R757	9FJ0R94201285	J	2.2k 1/2W Chip	AD
C722	9FJ0C50002635	J	0.047 50V Ceramic	AC	R758	9FJ0R91201285	J	2.2k 1/10W Chip	AB
C723	9FJ0C50002635	J	0.047 50V Ceramic	AC	R759	9FJ0R91201265	J	1.5k 1/10W Chip	AB
C724	9FJ0C01401635	J	47 35V Electrolytic	AD	R770	9FJ0R94201715	J	9.1k 1/2W Chip	AB
C725	9FJ0C50002985	J	1000p 500V Ceramic	AD	R771	9FJ0R94201715	J	9.1k 1/2W Chip	AB
C726	9FJ0C01102040	J	1000 10V Electrolytic	AF	MISCELLANEOUS PARTS				
C727	9FJ0C01102040	J	1000 10V Electrolytic	AF	TF701	9FJ0E03010060	J	Fuse P125A	AG
C728	9FJ0C50003745	J	0.1 50V Ceramic (Chip)	AC		9FJ0G10001750	J	Connector (PA) B2P3-VH	AE
C729	9FJ0C50002985	J	1000p 500V Ceramic	AD		9FJ0i10007550	J	Harness (PL)	AN
C730	9FJ0C01302155	J	220 25V Electrolytic	AE		9FJ0i10007570	J	Harness (E)	BB
C731	9FJ0C01302140	J	470 25V Electrolytic	AF		9FJ0O00002510	J	Heat Sink	AK
△ C732	9FJ0C51001223	J	1000p 4kV Ceramic	AD		9FJ0O00002520	J	Heat Sink	AP
C733	9FJ0C50004335	J	0.22 25V Ceramic (Chip)	AD					
C734	9FJ0C01510195	J	3.3 50V Electrolytic	AD					

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
CPCi-0047CE15/16									
PC I/F UNIT									
INTEGRATED CIRCUITS									
IC8001	RH-iX3270CEZZ	J	HD6417709	BH	FL8053	9DK001-82026	J	Filter, STS104B	AG
IC8003	9DK001-11020	J	AT24C128N-10SC-1.8	AS	FL8054	9DK001-82026	J	Filter, STS104B	AG
IC8006	9DK001-12055	J	TC7WH241FU	AN	FL8056	9DK001-82026	J	Filter, STS104B	AG
IC8007	9DK001-15061	J	PST600IM	AL	FL8057	9DK001-82026	J	Filter, STS104B	AG
IC8019	9DK001-15060	J	PST623XW	AP	FL8058	9DK001-82026	J	Filter, STS104B	AG
IC8020	RH-iX3460CEZZQ	J	GMZ2A	BP	FL8600	9DK001-82026	J	Filter, STS104B	AG
IC8022	9DK001-12086	J	74VHCT244AMT	AL	FL8601	9DK001-82026	J	Filter, STS104B	AG
IC8024	9DK001-15053	J	TL431CPS	AL	FL8602	9DK001-82026	J	Filter, STS104B	AG
IC8025	RH-iX3249CEN1	J	MB87J1101	BT	FL8603	9DK001-82026	J	Filter, STS104B	AG
IC8027	RH-iXA152WJZZQ	J	LH28F320BFE	BD	FL8604	9DK001-82026	J	Filter, STS104B	AG
IC8028	9DK001-11027	J	MSM51V18165F-60TS-K		COILS				
IC8029	RH-iX3250CEZZ	J	MB87J1110	BW	L8600	9DK001-81052	J	Coil, 3.3μH	AG
IC8035	9DK001-11021	J	NT56V1616A0T-7	BB	L8601	9DK001-81052	J	Coil, 3.3μH	AG
IC8038	9DK001-11021	J	NT56V1616A0T-7	BB	L8602	9DK001-81052	J	Coil, 3.3μH	AG
IC8039	9DK001-11021	J	NT56V1616A0T-7	BB	L8603	9DK001-81052	J	Coil, 3.3μH	AG
IC8046	9DK001-11021	J	NT56V1616A0T-7	BB	L8604	9DK001-81050	J	Coil, 68μH	AG
IC8048	RH-iX3293CEZZ	J	MBCG61394-106	BC	CAPACITORS				
IC8051	9DK001-15091	J	CXD2309AQ	BB	C8001	9DK001-42094	J	0.1 25V Ceramic	AC
IC8052	9DK001-12055	J	TC7WH241FU	AN	C8002	9DK001-42094	J	0.1 25V Ceramic	AC
IC8053	9DK001-12057	J	TC74LVX86FT	AM	C8006	9DK001-42096	J	0.01 50V Ceramic	AC
IC8056	9DK001-12058	J	HD74LVC00T	AK	C8009	9DK001-42096	J	0.01 50V Ceramic	AC
IC8600	9DK001-12068	J	SN74F153DB	AM	C8012	9DK001-42103	J	15p 50V Ceramic	AC
IC8601	9DK001-20026	J	UPA103G	BA	C8013	9DK001-42103	J	15p 50V Ceramic	AC
IC8603	9DK001-15038	J	PQ05TZ11	AR	C8019	9DK001-42104	J	470p 50V Ceramic	AC
IC8604	9DK001-15112	J	PQ033EZ01		C8020	9DK001-42104	J	470p 50V Ceramic	AC
IC8606	9DK001-15103	J	CXA3516AR	BR	C8021	9DK001-42096	J	0.01 50V Ceramic	AC
IC8607	9DK001-12070	J	HD74HCT125T	AL	C8022	9DK001-42096	J	0.01 50V Ceramic	AC
IC8608	9DK001-12055	J	TC7WH241FU	AN	C8026	9DK001-42096	J	0.01 50V Ceramic	AC
IC8609	RH-iX3399CEN1Q	J	IX3399CEN1	BM	C8028	9DK001-42096	J	0.01 50V Ceramic	AC
IC8610	9DK001-12068	J	SN74F153DB	AM	C8029	9DK001-42096	J	0.01 50V Ceramic	AC
IC8611	9DK001-15087	J	NJM2137V	AS	C8030	9DK001-42105	J	0.047 50V Ceramic	AC
TRANSISTOR					C8031	9DK001-42094	J	0.1 25V Ceramic	AC
Q8012	9DK001-20025	J	IMB3A	AE	C8035	9DK001-42096	J	0.01 50V Ceramic	AC
DIODES					C8039	9DK001-42094	J	0.1 25V Ceramic	AC
D8001	9DK001-30001	J	1SS193	AC	C8042	9DK001-42096	J	0.01 50V Ceramic	AC
D8002	9DK001-30001	J	1SS193	AC	C8043	9DK001-42096	J	0.01 50V Ceramic	AC
D8003	9DK001-30001	J	1SS193	AC	C8052	9DK001-42096	J	0.01 50V Ceramic	AC
D8004	9DK001-30001	J	1SS193	AC	C8053	9DK001-42096	J	0.01 50V Ceramic	AC
D8600	9DK001-30013	J	1SS362	AD	C8170	9DK001-42096	J	0.01 50V Ceramic	AC
D8601	9DK001-30018	J	1SS187	AD	C8176	9DK001-42096	J	0.01 50V Ceramic	AC
D8602	9DK001-30018	J	1SS187	AD	C8177	9DK001-42096	J	0.01 50V Ceramic	AC
PACKAGED CIRCUITS					C8178	9DK001-42096	J	0.01 50V Ceramic	AC
X8001	9DK001-80012	J	Crystal, 6MHz	AN	C8181	9DK001-42096	J	0.01 50V Ceramic	AC
X8003	9DK001-80011	J	Crystal, 1.8432MHz	AS	C8182	9DK001-42096	J	0.01 50V Ceramic	AC
X8004	9DK001-80013	J	Crystal, 22.165MHz	AN	C8185	9DK001-42096	J	0.01 50V Ceramic	AC
X8005	9DK001-80023	J	Crystal, 18.75MHz	AR	C8190	9DK001-42096	J	0.01 50V Ceramic	AC
FILTERS					C8191	9DK001-42096	J	0.01 50V Ceramic	AC
FL8002	9DK001-82026	J	Filter, STS104B	AG	C8192	9DK001-42096	J	0.01 50V Ceramic	AC
FL8003	9DK001-82026	J	Filter, STS104B	AG	C8196	9DK001-42096	J	0.01 50V Ceramic	AC
FL8005	9DK001-82026	J	Filter, STS104B	AG	C8198	9DK001-42096	J	0.01 50V Ceramic	AC
FL8006	9DK001-82026	J	Filter, STS104B	AG	C8207	9DK001-42096	J	0.01 50V Ceramic	AC
FL8021	9DK001-82026	J	Filter, STS104B	AG	C8211	9DK001-42096	J	0.01 50V Ceramic	AC
FL8022	9DK001-82026	J	Filter, STS104B	AG	C8213	9DK001-42096	J	0.01 50V Ceramic	AC
FL8023	9DK001-82026	J	Filter, STS104B	AG	C8216	9DK001-42103	J	15p 50V Ceramic	AC
FL8026	9DK001-82026	J	Filter, STS104B	AG	C8217	9DK001-42096	J	0.01 50V Ceramic	AC
FL8027	9DK001-82026	J	Filter, STS104B	AG	C8220	9DK001-42103	J	15p 50V Ceramic	AC
FL8028	9DK001-82026	J	Filter, STS104B	AG	C8223	9DK001-42096	J	0.01 50V Ceramic	AC
FL8032	9DK001-82026	J	Filter, STS104B	AG	C8225	9DK001-42096	J	0.01 50V Ceramic	AC
FL8034	9DK001-82026	J	Filter, STS104B	AG	C8228	9DK001-42096	J	0.01 50V Ceramic	AC
FL8037	9DK001-82026	J	Filter, STS104B	AG	C8230	9DK001-42096	J	0.01 50V Ceramic	AC
FL8039	9DK001-82026	J	Filter, STS104B	AG	C8231	9DK001-42096	J	0.01 50V Ceramic	AC
FL8041	9DK001-82026	J	Filter, STS104B	AG	C8233	9DK001-42096	J	0.01 50V Ceramic	AC
FL8048	9DK001-82026	J	Filter, STS104B	AG	C8247	9DK001-42096	J	0.01 50V Ceramic	AC
FL8049	9DK001-82026	J	Filter, STS104B	AG	C8250	9DK001-42096	J	0.01 50V Ceramic	AC
FL8051	9DK001-82026	J	Filter, STS104B	AG	C8252	9DK001-40080	J	100 6.3V Electrolytic	AF
					C8255	9DK001-40092	J	220 4V Electrolytic	AF
					C8257	9DK001-40080	J	100 6.3V Electrolytic	AF
					C8259	9DK001-42103	J	15p 50V Ceramic	AC
					C8265	9DK001-42103	J	15p 50V Ceramic	AC
					C8266	9DK001-42096	J	0.01 50V Ceramic	AC
					C8268	9DK001-42096	J	0.01 50V Ceramic	AC
					C8273	9DK001-42096	J	0.01 50V Ceramic	AC

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
CPCi-0047CE15/16									
PC I/F UNIT (Continued)									
C8281	9DK001-42096	J	0.01 50V Ceramic	AC	C8631	9DK001-42094	J	0.1 25V Ceramic	AC
C8283	9DK001-42096	J	0.01 50V Ceramic	AC	C8632	9DK001-42125	J	0.068 16V Film	AM
C8284	9DK001-42096	J	0.01 50V Ceramic	AC	C8633	9DK001-42111	J	1 10V Ceramic	AB
C8285	9DK001-42096	J	0.01 50V Ceramic	AC	C8634	9DK001-42124	J	680p 25V Ceramic	AC
C8297	9DK001-42096	J	0.01 50V Ceramic	AC	C8635	9DK001-42099	J	100p 50V Ceramic	AC
C8301	9DK001-42096	J	0.01 50V Ceramic	AC	C8636	9DK001-42099	J	100p 50V Ceramic	AC
C8305	9DK001-42096	J	0.01 50V Ceramic	AC	C8637	9DK001-42111	J	1 10V Ceramic	AB
C8309	9DK001-42096	J	0.01 50V Ceramic	AC	C8638	9DK001-42094	J	0.1 25V Ceramic	AC
C8317	9DK001-42096	J	0.01 50V Ceramic	AC	C8640	9DK001-42111	J	1 10V Ceramic	AB
C8325	9DK001-42096	J	0.01 50V Ceramic	AC	C8641	9DK001-42094	J	0.1 25V Ceramic	AC
C8328	9DK001-42096	J	0.01 50V Ceramic	AC	C8642	9DK001-42094	J	0.1 25V Ceramic	AC
C8329	9DK001-42096	J	0.01 50V Ceramic	AC	C8645	9DK001-42094	J	0.1 25V Ceramic	AC
C8330	9DK001-42096	J	0.01 50V Ceramic	AC	C8646	9DK001-42094	J	0.1 25V Ceramic	AC
C8332	9DK001-42096	J	0.01 50V Ceramic	AC	C8647	9DK001-42096	J	0.01 50V Ceramic	AC
C8336	9DK001-42096	J	0.01 50V Ceramic	AC	C8648	9DK001-40079	J	47 16V Electrolytic	AG
C8340	9DK001-42094	J	0.1 25V Ceramic	AC	C8649	9DK001-42094	J	0.1 25V Ceramic	AC
C8341	9DK001-42094	J	0.1 25V Ceramic	AC	C8650	9DK001-42094	J	0.1 25V Ceramic	AC
C8342	9DK001-42111	J	1 10V Ceramic	AB	C8651	9DK001-42096	J	0.01 50V Ceramic	AC
C8343	9DK001-42094	J	0.1 25V Ceramic	AC	C8652	9DK001-42094	J	0.1 25V Ceramic	AC
C8344	9DK001-40077	J	10 16V Electrolytic	AF	C8653	9DK001-42111	J	1 10V Ceramic	AB
C8345	9DK001-42094	J	0.1 25V Ceramic	AC	C8654	9DK001-42111	J	1 10V Ceramic	AB
C8349	9DK001-42096	J	0.01 50V Ceramic	AC	C8656	9DK001-42094	J	0.1 25V Ceramic	AC
C8355	9DK001-42101	J	220p 50V Ceramic	AC	C8657	9DK001-42094	J	0.1 25V Ceramic	AC
C8361	9DK001-40089	J	47 6.3V Electrolytic	AE	C8662	9DK001-42094	J	0.1 25V Ceramic	AC
C8366	9DK001-40080	J	100 6.3V Electrolytic	AF	C8663	9DK001-42094	J	0.1 25V Ceramic	AC
C8367	9DK001-40092	J	220 4V Electrolytic	AF	C8664	9DK001-42094	J	0.1 25V Ceramic	AC
C8368	9DK001-40090	J	47 4V Electrolytic	AF	C8672	9DK001-42096	J	0.01 50V Ceramic	AC
C8369	9DK001-40080	J	100 6.3V Electrolytic	AF	C8674	9DK001-42096	J	0.01 50V Ceramic	AC
C8370	9DK001-40080	J	100 6.3V Electrolytic	AF	C8677	9DK001-42129	J	0.01 16V Film	AL
C8371	9DK001-40080	J	100 6.3V Electrolytic	AF	C8678	9DK001-40090	J	47 4V Electrolytic	AF
C8372	9DK001-40080	J	100 6.3V Electrolytic	AF	C8679	9DK001-42096	J	0.01 50V Ceramic	AC
C8373	9DK001-40090	J	47 4V Electrolytic	AF	C8684	9DK001-40089	J	47 6.3V Electrolytic	AE
C8374	9DK001-40080	J	100 6.3V Electrolytic	AF	C8685	9DK001-42096	J	0.01 50V Ceramic	AC
C8375	9DK001-40092	J	220 4V Electrolytic	AF	C8692	9DK001-42096	J	0.01 50V Ceramic	AC
C8376	9DK001-40080	J	100 6.3V Electrolytic	AF	C8694	9DK001-42096	J	0.01 50V Ceramic	AC
C8378	9DK001-40080	J	100 6.3V Electrolytic	AF	C8695	9DK001-42096	J	0.01 50V Ceramic	AC
C8379	9DK001-40080	J	100 6.3V Electrolytic	AF	C8698	9DK001-42096	J	0.01 50V Ceramic	AC
C8425	9DK001-42096	J	0.01 50V Ceramic	AC	C8701	9DK001-40091	J	100 4V Electrolytic	AF
C8432	9DK001-42103	J	15p 50V Ceramic	AC	C8702	9DK001-43018	J	10 16V Tantalum	AH
C8460	9DK001-42094	J	0.1 25V Ceramic	AC	C8703	9DK001-43018	J	10 16V Tantalum	AH
C8470	9DK001-42096	J	0.01 50V Ceramic	AC	C8704	9DK001-43018	J	10 16V Tantalum	AH
C8471	9DK001-42096	J	0.01 50V Ceramic	AC	C8705	9DK001-42094	J	0.1 25V Ceramic	AC
C8472	9DK001-42096	J	0.01 50V Ceramic	AC	C8707	9DK001-42094	J	0.1 25V Ceramic	AC
C8600	9DK001-40089	J	47 6.3V Electrolytic	AE	C8708	9DK001-42099	J	100p 50V Ceramic	AC
C8602	9DK001-42113	J	4.7 10V Ceramic	AB	C8720	9DK001-42116	J	10p 50V Ceramic	AC
C8603	9DK001-42094	J	0.1 25V Ceramic	AC	C8721	9DK001-42116	J	10p 50V Ceramic	AC
C8604	9DK001-42094	J	0.1 25V Ceramic	AC	C8722	9DK001-42116	J	10p 50V Ceramic	AC
C8605	9DK001-42094	J	0.1 25V Ceramic	AC	C8723	9DK001-42116	J	10p 50V Ceramic	AC
C8606	9DK001-42108	J	5p 50V Ceramic	AB	C8724	9DK001-42116	J	10p 50V Ceramic	AC
C8607	9DK001-42108	J	5p 50V Ceramic	AB	C8725	9DK001-42116	J	10p 50V Ceramic	AC
C8608	9DK001-40079	J	47 16V Electrolytic	AG	C8729	9DK001-42111	J	1 10V Ceramic	AB
C8609	9DK001-42096	J	0.01 50V Ceramic	AC	RESISTORS				
C8610	9DK001-40079	J	47 16V Electrolytic	AG	FL8001	9DK001-50110	J	0 1/10W Chip2125	AB
C8611	9DK001-42096	J	0.01 50V Ceramic	AC	FL8024	9DK001-50110	J	0 1/10W Chip2125	AB
C8612	9DK001-40079	J	47 16V Electrolytic	AG	FL8025	9DK001-50110	J	0 1/10W Chip2125	AB
C8613	9DK001-42096	J	0.01 50V Ceramic	AC	FL8033	9DK001-50110	J	0 1/10W Chip2125	AB
C8614	9DK001-40079	J	47 16V Electrolytic	AG	FL8038	9DK001-50110	J	0 1/10W Chip2125	AB
C8615	9DK001-42096	J	0.01 50V Ceramic	AC	FL8043	9DK001-50110	J	0 1/10W Chip2125	AB
C8616	9DK001-43018	J	10 16V Tantalum	AH	FL8044	9DK001-50110	J	0 1/10W Chip2125	AB
C8617	9DK001-42094	J	0.1 25V Ceramic	AC	FL8045	9DK001-50110	J	0 1/10W Chip2125	AB
C8618	9DK001-40079	J	47 16V Electrolytic	AG	FL8605	9DK001-50110	J	0 1/10W Chip2125	AB
C8619	9DK001-42096	J	0.01 50V Ceramic	AC	R8001	9DK001-50165	J	100 1/16W Chip1608	AA
C8620	9DK001-43018	J	10 16V Tantalum	AH	R8002	9DK001-50165	J	100 1/16W Chip1608	AA
C8621	9DK001-42094	J	0.1 25V Ceramic	AC	R8003	9DK001-50165	J	100 1/16W Chip1608	AA
C8623	9DK001-43018	J	10 16V Tantalum	AH	R8004	9DK001-50165	J	100 1/16W Chip1608	AA
C8624	9DK001-42094	J	0.1 25V Ceramic	AC	R8005	9DK001-50163	J	68 1/16W Chip1608	AA
C8625	9DK001-42094	J	0.1 25V Ceramic	AC	R8006	9DK001-51030	J	10k 1/16W Resistor Array	AD
C8626	9DK001-40079	J	47 16V Electrolytic	AG	R8007	9DK001-50209	J	27k 1/16W Chip1608	AA
C8627	9DK001-42094	J	0.1 25V Ceramic	AC	R8009	9DK001-50204	J	150 1/16W Chip1608	AA
C8628	9DK001-42096	J	0.01 50V Ceramic	AC	R8010	9DK001-51030	J	10k 1/16W Resistor Array	AD
C8630	9DK001-42096	J	0.01 50V Ceramic	AC	R8011	9DK001-51030	J	10k 1/16W Resistor Array	AD
					R8012	9DK001-50207	J	6.8k 1/16W Chip1608	AA
					R8013	9DK001-50207	J	6.8k 1/16W Chip1608	AA
					R8014	9DK001-51030	J	10k 1/16W Resistor Array	AD

Ref. No.	Part No.	★	Description	Code
CPCi-0047CE15/16				
PC I/F UNIT (Continued)				
R8015	9DK001-51030	J 10k	1/16W Resistor Array	AD
R8016	9DK001-50222	J 1.3k	1/16W Chip1608	AB
R8018	9DK001-50199	J 2.15k	1/16W Chip1608	AB
R8019	9DK001-51030	J 10k	1/16W Resistor Array	AD
R8022	9DK001-50185	J 10k	1/16W Chip1608	AA
R8023	9DK001-50185	J 10k	1/16W Chip1608	AA
R8027	9DK001-50209	J 27k	1/16W Chip1608	AA
R8028	9DK001-50183	J 4.7k	1/16W Chip1608	AA
R8033	9DK001-51030	J 10k	1/16W Resistor Array	AD
R8034	9DK001-51030	J 10k	1/16W Resistor Array	AD
R8035	9DK001-51030	J 10k	1/16W Resistor Array	AD
R8036	9DK001-51030	J 10k	1/16W Resistor Array	AD
R8040	9DK001-50163	J 68	1/16W Chip1608	AA
R8043	9DK001-51030	J 10k	1/16W Resistor Array	AD
R8044	9DK001-51030	J 10k	1/16W Resistor Array	AD
R8050	9DK001-51030	J 10k	1/16W Resistor Array	AD
R8051	9DK001-51030	J 10k	1/16W Resistor Array	AD
R8057	9DK001-51030	J 10k	1/16W Resistor Array	AD
R8058	9DK001-51030	J 10k	1/16W Resistor Array	AD
R8061	9DK001-51030	J 10k	1/16W Resistor Array	AD
R8065	9DK001-51030	J 10k	1/16W Resistor Array	AD
R8066	9DK001-51030	J 10k	1/16W Resistor Array	AD
R8071	9DK001-50159	J 22	1/16W Chip1608	AA
R8072	9DK001-50159	J 22	1/16W Chip1608	AA
R8097	9DK001-50162	J 56	1/16W Chip1608	AA
R8100	9DK001-50162	J 56	1/16W Chip1608	AA
R8104	9DK001-50162	J 56	1/16W Chip1608	AA
R8105	9DK001-50162	J 56	1/16W Chip1608	AA
R8107	9DK001-51030	J 10k	1/16W Resistor Array	AD
R8114	9DK001-51030	J 10k	1/16W Resistor Array	AD
R8116	9DK001-51030	J 10k	1/16W Resistor Array	AD
R8117	9DK001-51030	J 10k	1/16W Resistor Array	AD
R8155	9DK001-50150	J 10	1/16W Chip1608	AA
R8156	9DK001-50150	J 10	1/16W Chip1608	AA
R8157	9DK001-50167	J 180	1/16W Chip1608	AA
R8158	9DK001-50163	J 68	1/16W Chip1608	AA
R8159	9DK001-50167	J 180	1/16W Chip1608	AA
R8160	9DK001-50163	J 68	1/16W Chip1608	AA
R8162	9DK001-50163	J 68	1/16W Chip1608	AA
R8164	9DK001-50150	J 10	1/16W Chip1608	AA
R8167	9DK001-50159	J 22	1/16W Chip1608	AA
R8168	9DK001-50159	J 22	1/16W Chip1608	AA
R8169	9DK001-50159	J 22	1/16W Chip1608	AA
R8170	9DK001-50159	J 22	1/16W Chip1608	AA
R8172	9DK001-50201	J 15	1/16W Chip1608	AA
R8176	9DK001-50150	J 10	1/16W Chip1608	AA
R8180	9DK001-50159	J 22	1/16W Chip1608	AA
R8181	9DK001-50159	J 22	1/16W Chip1608	AA
R8182	9DK001-50159	J 22	1/16W Chip1608	AA
R8183	9DK001-50159	J 22	1/16W Chip1608	AA
R8185	9DK001-50165	J 100	1/16W Chip1608	AA
R8186	9DK001-50204	J 150	1/16W Chip1608	AA
R8187	9DK001-50203	J 62	1/16W Chip1608	AA
R8191	9DK001-50159	J 22	1/16W Chip1608	AA
R8193	9DK001-50159	J 22	1/16W Chip1608	AA
R8194	9DK001-50159	J 22	1/16W Chip1608	AA
R8195	9DK001-50159	J 22	1/16W Chip1608	AA
R8197	9DK001-50190	J 1M	1/16W Chip1608	AA
R8202	9DK001-51030	J 10k	1/16W Resistor Array	AD
R8203	9DK001-51030	J 10k	1/16W Resistor Array	AD
R8204	9DK001-50159	J 22	1/16W Chip1608	AA
R8205	9DK001-50159	J 22	1/16W Chip1608	AA
R8206	9DK001-50159	J 22	1/16W Chip1608	AA
R8207	9DK001-50185	J 10k	1/16W Chip1608	AA
R8209	9DK001-50185	J 10k	1/16W Chip1608	AA
R8210	9DK001-50173	J 470	1/16W Chip1608	AA
R8211	9DK001-50205	J 1.8k	1/16W Chip1608	AA
R8215	9DK001-51030	J 10k	1/16W Resistor Array	AD
R8216	9DK001-50150	J 10	1/16W Chip1608	AA
R8217	9DK001-50149	J 0	1/16W Chip1608	AB
R8218	9DK001-50164	J 82	1/16W Chip1608	AA

Ref. No.	Part No.	★	Description	Code
R8219	9DK001-50165	J 100	1/16W Chip1608	AA
R8220	9DK001-50185	J 10k	1/16W Chip1608	AA
R8221	9DK001-51030	J 10k	1/16W Resistor Array	AD
R8222	9DK001-51030	J 10k	1/16W Resistor Array	AD
R8223	9DK001-50185	J 10k	1/16W Chip1608	AA
R8224	9DK001-50185	J 10k	1/16W Chip1608	AA
R8227	9DK001-50190	J 1M	1/16W Chip1608	AA
R8228	9DK001-50150	J 10	1/16W Chip1608	AA
R8229	9DK001-50150	J 10	1/16W Chip1608	AA
R8230	9DK001-50150	J 10	1/16W Chip1608	AA
R8231	9DK001-50165	J 100	1/16W Chip1608	AA
R8232	9DK001-50203	J 62	1/16W Chip1608	AA
R8233	9DK001-50204	J 150	1/16W Chip1608	AA
R8239	9DK001-50169	J 220	1/16W Chip1608	AA
R8240	9DK001-50185	J 10k	1/16W Chip1608	AA
R8246	9DK001-50185	J 10k	1/16W Chip1608	AA
R8251	9DK001-50159	J 22	1/16W Chip1608	AA
R8252	9DK001-50159	J 22	1/16W Chip1608	AA
R8253	9DK001-50159	J 22	1/16W Chip1608	AA
R8254	9DK001-50159	J 22	1/16W Chip1608	AA
R8255	9DK001-50159	J 22	1/16W Chip1608	AA
R8257	9DK001-50185	J 10k	1/16W Chip1608	AA
R8264	9DK001-50162	J 56	1/16W Chip1608	AA
R8267	9DK001-50162	J 56	1/16W Chip1608	AA
R8272	9DK001-50263	J 1k	1/4W Chip3216	AB
R8276	9DK001-50155	J 3k	1/16W Chip1608	AB
R8278	9DK001-50162	J 56	1/16W Chip1608	AA
R8280	9DK001-50165	J 100	1/16W Chip1608	AA
R8281	9DK001-50222	J 1.3k	1/16W Chip1608	AB
R8282	9DK001-50165	J 100	1/16W Chip1608	AA
R8289	9DK001-50207	J 6.8k	1/16W Chip1608	AA
R8290	9DK001-50165	J 100	1/16W Chip1608	AA
R8295	9DK001-50185	J 10k	1/16W Chip1608	AA
R8297	9DK001-50162	J 56	1/16W Chip1608	AA
R8298	9DK001-51030	J 10k	1/16W Resistor Array	AD
R8299	9DK001-50162	J 56	1/16W Chip1608	AA
R8300	9DK001-50185	J 10k	1/16W Chip1608	AA
R8301	9DK001-50185	J 10k	1/16W Chip1608	AA
R8302	9DK001-50264	J 680	1/16W Chip1608	AD
R8304	9DK001-50185	J 10k	1/16W Chip1608	AA
R8305	9DK001-50185	J 10k	1/16W Chip1608	AA
R8307	9DK001-50162	J 56	1/16W Chip1608	AA
R8309	9DK001-50162	J 56	1/16W Chip1608	AA
R8316	9DK001-50185	J 10k	1/16W Chip1608	AA
R8317	9DK001-50185	J 10k	1/16W Chip1608	AA
R8318	9DK001-50185	J 10k	1/16W Chip1608	AA
R8319	9DK001-50169	J 220	1/16W Chip1608	AA
R8321	9DK001-50173	J 470	1/16W Chip1608	AA
R8322	9DK001-50205	J 1.8k	1/16W Chip1608	AA
R8323	9DK001-50150	J 10	1/16W Chip1608	AA
R8325	9DK001-50150	J 10	1/16W Chip1608	AA
R8326	9DK001-50150	J 10	1/16W Chip1608	AA
R8327	9DK001-50150	J 10	1/16W Chip1608	AA
R8328	9DK001-50150	J 10	1/16W Chip1608	AA
R8329	9DK001-50162	J 56	1/16W Chip1608	AA
R8330	9DK001-50165	J 100	1/16W Chip1608	AA
R8339	9DK001-50185	J 10k	1/16W Chip1608	AA
R8340	9DK001-50185	J 10k	1/16W Chip1608	AA
R8341	9DK001-50150	J 10	1/16W Chip1608	AA
R8342	9DK001-50150	J 10	1/16W Chip1608	AA
R8343	9DK001-50159	J 22	1/16W Chip1608	AA
R8344	9DK001-50185	J 10k	1/16W Chip1608	AA
R8345	9DK001-50185	J 10k	1/16W Chip1608	AA
R8348	9DK001-50149	J 0	1/16W Chip1608	AB
R8353	9DK001-50149	J 0	1/16W Chip1608	AB
R8362	9DK001-50162	J 56	1/16W Chip1608	AA
R8363	9DK001-50162	J 56	1/16W Chip1608	AA
R8364	9DK001-50162	J 56	1/16W Chip1608	AA
R8365	9DK001-50162	J 56	1/16W Chip1608	AA
R8366	9DK001-50162	J 56	1/16W Chip1608	AA
R8367	9DK001-50162	J 56	1/16W Chip1608	AA
R8368	9DK001-50162	J 56	1/16W Chip1608	AA
R8369	9DK001-50162	J 56	1/16W Chip1608	AA
R8370	9DK001-50162	J 56	1/16W Chip1608	AA
R8447	9DK001-50150	J 10	1/16W Chip1608	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
CPCi-0047CE15/16					R8709	9DK001-50149	J 0	1/16W Chip1608	AB
PC I/F UNIT (Continued)					SWITCH				
R8448	9DK001-50150	J 10	1/16W Chip1608	AA	S8001	9DK001-70012	J	Switch SSSS812-B-2B	AL
R8456	9DK001-50185	J 10k	1/16W Chip1608	AA	MISCELLANEOUS PARTS				
R8465	9DK001-50110	J 0	1/10W Chip2125	AB	FB8004	9DK001-81056	J	Chip Tewite Beads BLM11A102S	
R8466	9DK001-50110	J 0	1/10W Chip2125	AB	P8404	9DK001-60038	J	Connector, 60-pin	AR
R8471	9DK001-50110	J 0	1/10W Chip2125	AB	P8405	9DK001-60038	J	Connector, 60-pin	AR
R8472	9DK001-50110	J 0	1/10W Chip2125	AB	P8502	9DK001-60038	J	Connector, 60-pin	AR
R8481	9DK001-50149	J 0	1/16W Chip1608	AB	TP8004	9DK001-84014	J	Lug, Test Point	AE
R8482	9DK001-50149	J 0	1/16W Chip1608	AB	TP8005	9DK001-84014	J	Lug, Test Point	AE
R8489	9DK001-50149	J 0	1/16W Chip1608	AB	TP8006	9DK001-84014	J	Lug, Test Point	AE
R8600	9DK001-50185	J 10k	1/16W Chip1608	AA	TP8007	9DK001-84014	J	Lug, Test Point	AE
R8601	9DK001-50110	J 0	1/10W Chip2125	AB	TP8022	9DK001-84014	J	Lug, Test Point	AE
R8603	9DK001-50216	J 360	1/16W Chip1608	AA	TP8023	9DK001-84014	J	Lug, Test Point	AE
R8604	9DK001-50162	J 56	1/16W Chip1608	AA					
R8605	9DK001-50165	J 100	1/16W Chip1608	AA					
R8606	9DK001-50163	J 68	1/16W Chip1608	AA					
R8607	9DK001-50185	J 10k	1/16W Chip1608	AA					
R8608	9DK001-50161	J 47	1/16W Chip1608	AA					
R8609	9DK001-50161	J 47	1/16W Chip1608	AA					
R8610	9DK001-50165	J 100	1/16W Chip1608	AA					
R8611	9DK001-50176	J 820	1/16W Chip1608	AA					
R8612	9DK001-50176	J 820	1/16W Chip1608	AA					
R8613	9DK001-50204	J 150	1/16W Chip1608	AA					
R8614	9DK001-50204	J 150	1/16W Chip1608	AA					
R8615	9DK001-50176	J 820	1/16W Chip1608	AA					
R8616	9DK001-50176	J 820	1/16W Chip1608	AA					
R8618	9DK001-50251	J 47	1/4W Chip3216	AB					
R8619	9DK001-50251	J 47	1/4W Chip3216	AB					
R8620	9DK001-50159	J 22	1/16W Chip1608	AA					
R8621	9DK001-50203	J 62	1/16W Chip1608	AA					
R8622	9DK001-50176	J 820	1/16W Chip1608	AA					
R8623	9DK001-50159	J 22	1/16W Chip1608	AA					
R8624	9DK001-50203	J 62	1/16W Chip1608	AA					
R8625	9DK001-50176	J 820	1/16W Chip1608	AA					
R8626	9DK001-50176	J 820	1/16W Chip1608	AA					
R8627	9DK001-50159	J 22	1/16W Chip1608	AA					
R8628	9DK001-50203	J 62	1/16W Chip1608	AA					
R8632	9DK001-50155	J 3k	1/16W Chip1608	AB					
R8634	9DK001-50149	J 0	1/16W Chip1608	AB					
R8635	9DK001-50155	J 3k	1/16W Chip1608	AB					
R8640	9DK001-50210	J 33k	1/16W Chip1608	AA					
R8641	9DK001-50210	J 33k	1/16W Chip1608	AA					
R8642	9DK001-50150	J 10	1/16W Chip1608	AA					
R8643	9DK001-50150	J 10	1/16W Chip1608	AA					
R8644	9DK001-50149	J 0	1/16W Chip1608	AB					
R8645	9DK001-50185	J 10k	1/16W Chip1608	AA					
R8648	9DK001-50159	J 22	1/16W Chip1608	AA					
R8649	9DK001-50159	J 22	1/16W Chip1608	AA					
R8650	9DK001-50159	J 22	1/16W Chip1608	AA					
R8651	9DK001-50159	J 22	1/16W Chip1608	AA					
R8654	9DK001-50149	J 0	1/16W Chip1608	AB					
R8655	9DK001-50149	J 0	1/16W Chip1608	AB					
R8672	9DK001-50185	J 10k	1/16W Chip1608	AA					
R8673	9DK001-50257	J 75	1/16W Chip1608	AA					
R8674	9DK001-50218	J 20k	1/16W Chip1608	AA					
R8675	9DK001-50150	J 10	1/16W Chip1608	AA					
R8680	9DK001-50185	J 10k	1/16W Chip1608	AA					
R8683	9DK001-50266	J 13	1/10W Chip2125	AA					
R8684	9DK001-50266	J 13	1/10W Chip2125	AA					
R8685	9DK001-50266	J 13	1/10W Chip2125	AA					
R8687	9DK001-50159	J 22	1/16W Chip1608	AA					
R8688	9DK001-50176	J 820	1/16W Chip1608	AA					
R8690	9DK001-50177	J 1k	1/16W Chip1608	AA					
R8691	9DK001-50177	J 1k	1/16W Chip1608	AA					
R8695	9DK001-50149	J 0	1/16W Chip1608	AB					
R8697	9DK001-50149	J 0	1/16W Chip1608	AB					
R8699	9DK001-50110	J 0	1/10W Chip2125	AB					
R8703	9DK001-50185	J 10k	1/16W Chip1608	AA					
R8704	9DK001-50165	J 100	1/16W Chip1608	AA					
R8705	9DK001-50267	J 33	1/16W Chip1608	AD					
R8706	9DK001-50267	J 33	1/16W Chip1608	AD					
R8707	9DK001-50267	J 33	1/16W Chip1608	AD					

Ref. No.	Part No.	★	Description	Code
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CABINET AND MECHANICAL PARTS

1	Not Available	—	Top Cabinet Ass'y	—
1-1	DBDYT1185CEK2	J	Top Cabinet Ass'y (XG-C40XU)	AX
1-1	DBDYT1185CEK4	J	Top Cabinet Ass'y (XG-C40XE)	AX
1-1-1	Not Available	—	Top Cabinet	—
1-1-2	Not Available	—	Holder	—
1-1-3	Not Available	—	Holder, x2	—
1-1-4	Not Available	—	Lens Caution Label	—
1-1-5	Not Available	—	Tefron Tape	—
1-2	QSW-Z0526CEZZ	J	Operation Key Unit	BA
1-3	XEBSD30P12000	J	Screw, x2	AA
1-4	GCOVA1771CESA	J	R/C Cover, Front	AE
1-5	GCOVA1776CEKA	J	Lens DEC Cover	AP
1-6	PMLT-0348CEZZ	J	Molt, x2	AE
2	Not Available	—	Rear Cabinet Ass'y	—
2-1	DBDYR1092CEK2	J	Rear Cabinet Ass'y (XG-C40XU)	AS
2-1	DBDYR1092CEK4	J	Rear Cabinet Ass'y (XG-C40XE)	AS
2-1-1	Not Available	—	Rear Cabinet	—
2-1-2	Not Available	—	Terminal Indication Sheet	—
2-1-3	Not Available	—	Hot Cavity Label	—
2-2	GCOVA1779CESA	J	R/C Cover, Rear	AE
3	Not Available	—	Bottom Cabinet Ass'y	—
3-1	Not Available	—	Lamp Cage Cover Ass'y	—
3-1-1	DDORU1017CEK3	J	Lamp Cage Cover Ass'y	AU
3-1-1-1	Not Available	—	Lamp Cage Cover	—
3-1-1-2	Not Available	—	Caution Label	—
3-1-1-3	Not Available	—	Punching	—
3-1-1-4	Not Available	—	Duct	—
3-1-2	LX-BZ1009CEFN	J	Screw	AE
3-1-3	XRESJ30-06000	J	E-Ring	AA
3-1-4	MSPRC0202CEFW	J	Spring	AB
3-2	DBDYU1140CEK1	J	Bottom Cabinet Ass'y (XG-C40XU)	BB
3-2	DBDYU1141CEK1	J	Bottom Cabinet Ass'y (XG-C40XE)	BB
3-2-1	Not Available	—	Bottom Cabinet	—
3-2-2	Not Available	—	Model Label	—
3-2-3	Not Available	—	Interlock Caution Label	—
3-2-4	Not Available	—	FCC Index	—
3-2-5	Not Available	—	Punching Plate	—
3-2-6	Not Available	—	Angle	—
3-2-7	Not Available	—	Shielding Holder	—
3-2-8	Not Available	—	Nut	—
3-2-9	Not Available	—	Nut, x4	—
3-2-10	Not Available	—	Handle Spacer, x2	—
3-2-11	Not Available	—	Tefron Tape, x4	—
3-2-12	Not Available	—	PBS Inhaust Filter	—
3-2-13	Not Available	—	Ballast Bottom Filter	—
3-2-14	Not Available	—	Lens Bottom Filter	—
3-3	JHND1038CESB	J	Handle	AV
3-5	GLEGP9119CEKB	J	Front Adjuster	AU
3-6	GCOVA1836CEKA	J	Front Cover	AK
3-7	XEBSD30P12000	J	Screw, x2	AA
3-8	QCNW-5062CEZZ	J	Speaker Lead Wire	AE
3-9	VSP0082PBR34A	J	Speaker	AP
3-10	QCNW-5761CEZZ	J	Leaf Switch	AG
3-11	DCOVA1775CEK4	J	Intake Cover Ass'y	AQ
3-11-1	Not Available	—	Intake Cover	—
3-11-2	Not Available	—	Intake Cover Punching	—
3-12	PfILD0075CEZZ	J	Intake Air Filter	AD
3-16	LX-HZ3066CEFD	J	Screw	AB
3-17	XEBSD26P14000	J	Screw, x2	AA
3-19	RH-HZ0051CEZZ	J	Temp. Sensor	AN
3-20	GLEGP1031CESA	J	Back Adjuster	AG
3-21	PSPAH0648CE00	J	Adjuster Spacer	AB
3-22	LX-NZ3095CEFD	J	M5 Nut	AA

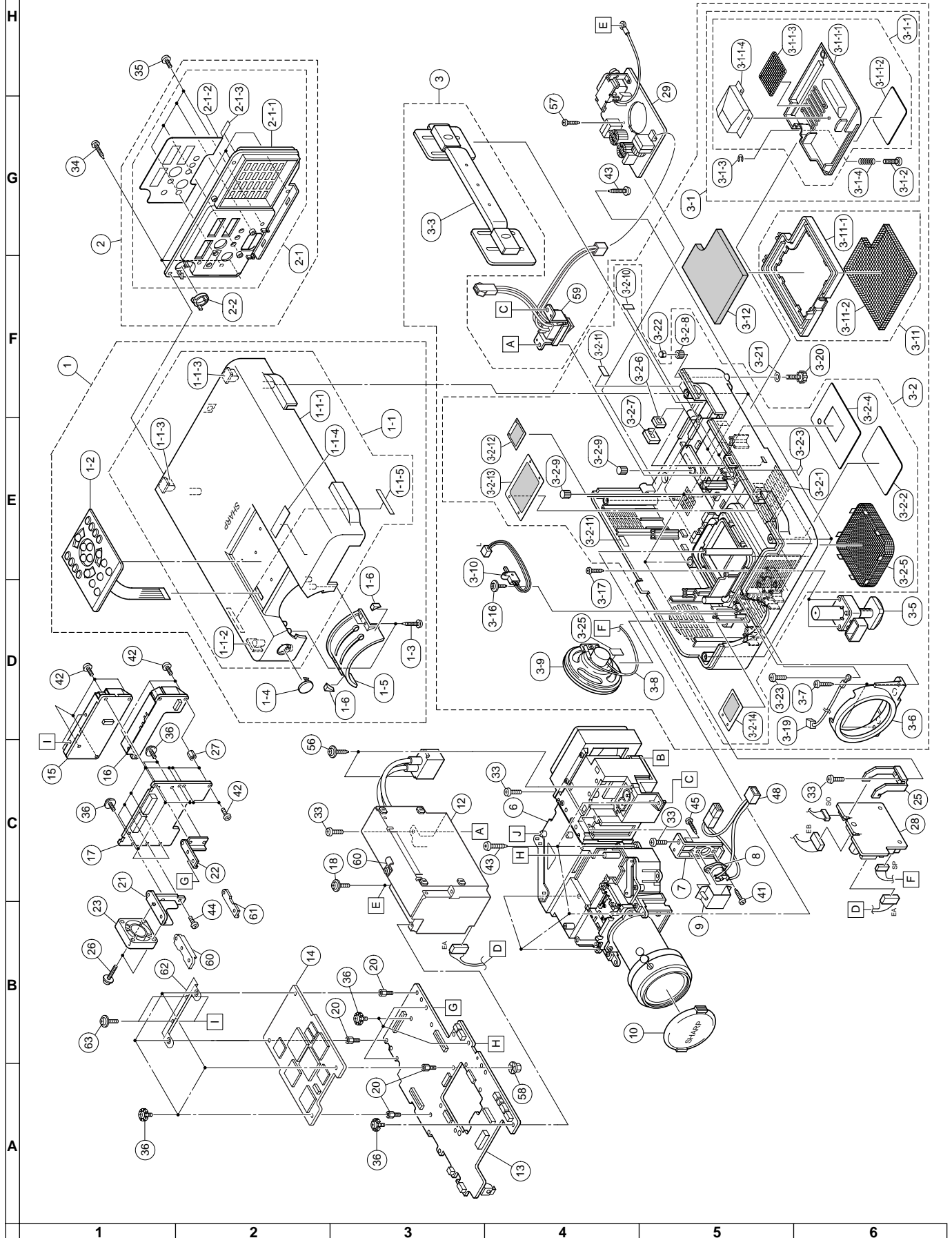
Ref. No.	Part No.	★	Description	Code
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3-23	XEBSD30P10000	J	Screw, x1	AA
3-25	PSPAT0013CEZZ	J	Teflon Tape	AC

6 Refer to Optics Mechanism Parts

7	LHLDZ2093CEKZ	J	Bimetal Holder	AK
8	RBIM-0001CEZZ	J	Bimetal (XG-C40XU)	AN
8	RBIM-0104CEZZ	J	Bimetal (XG-C40XE)	AN
9	PCOVW9007CEKZ	J	Bimetal Cover	AF
10	GCOVH1307CESB	J	Lens Cap	AV
12	Refer to Power/Ballast Unit Parts			
13	Not Available	—	Output Unit	—
14	Not Available	—	PC I/F Unit	—
15	Not Available	—	PC Terminal Unit	—
16	Not Available	—	Video Unit	—
17	Not Available	—	Signal Unit	—
18	XBPSD40P08JS0	J	Screw, x1	AA
20	NSFTZ0144CEFW	J	Spacer, x4	AD
21	LANGT3295CEFW	J	Angle (L)	AK
22	LANGT3265CEFW	J	Angle (R)	AH
23	NFANR0104CE00	J	Fan	AW
25	LANGQ5709CEFW	J	Angle	AE
26	XBSSD26P14000	J	Screw, x2	AA
27	NSFTZ0140CEFW	J	Shaft, x7	AC
28	Not Available	—	Sound Out/Regulator Unit	—
29	Not Available	—	Inlet Unit	—
33	XEBSD30P10000	J	Screw, x4	AA
34	XTBSF30P12000	J	Screw, x4	AA
35	XBPSF30P10000	J	Screw, x4	AA
36	XBPSD30P06R00	J	Screw, x12	AB
41	XEBSD30P06000	J	Screw, x2	AA
42	XBPSD26P04000	J	Screw, x13	AA
43	XTASD30P16000	J	Screw, x9	AA
44	XBBSF26P05000	J	Screw, x1	AA
45	XBBSF30P08000	J	Screw, x1	AA
48	QCNW-4929CEZZ	J	Bimetal Wire	AG
56	LX-HZ3106CEFD	J	Screw, x2	AB
57	XEBSD30P08000	J	Screw	AA
58	LX-NZ3166CEFD	J	Nut	AA
59	QCNW-5224CEZZ	J	AC Power Switch	AW
60	PSPAF0032CEFW	J	Spacer(L)	AF
61	PSPAF0033CEFW	J	Spacer(R)	AF
62	QEARPA002WJFW	J	PC Earth	AE
63	XBPSD26P04000	J	Screw, x2	AA

CABINET AND MECHANICAL PARTS/ GEHÄUSE UND MECHANISCHE BAUTEILE



Ref. No.	Part No.	★	Description	Code
OPTICS MECHANISM PARTS				
6	CCHSK0075CE71	J	Optics Mecha. Ass'y	FT
6-1	LCHSK0094CEFW	J	Optics Mecha. Base	BM
6-2	LCHSK0075CEFW	J	Optics Mecha. Cover	BL
6-3	CANGK0675CE02	J	R/B Convergence Unit, x2	AY
6-4	LANGK0747CEFW	J	G Adjusting Plate	AG
6-5	LANGK0677CEFW	J	Slide Plate, x3	AD
6-6	LANGG1192CEFW	J	Guide Plate	AR
6-7	PSLDP3075CEFW	J	Light Shielding Plate (LCD Module Unit, Green)	AH
6-8	PDUC-0121CEKZ	J	Duct ,Side	AR
6-9	NFANR0109CE00	J	Cooling Fan(Exhaust)	BA
6-10	CDUC-0122CE01	J	Duct ,Top	AX
6-11	LHLDZ3067CEFW	J	Holder, for Prism	BC
6-12	PGIDH0039CEKZ	J	Flap	AF
6-13	NFANR0122CE00	J	Cooling Fan(Intake)	AX
6-14	MSPRP1198CEFW	J	Mirror Fitting Spring, x27	AD
△ 6-15	BQC-XGC40XU/1	J	Lamp/Cage Module Unit	CQ
△ 6-15-1	RLMPF0075CEZZ	J	Lamp/Mirror Ass'y	CL
6-15-2	CCASZ0108CE01	J	Lamp Case Ass'y	AW
6-15-2-1	PCASZ0108CEKZ	J	Lamp Case	AP
6-15-2-2	LHLDZ3058CEFW	J	Handle	AE
6-15-2-3	PCOVZ0103CEFW	J	Lamp Case Punting Ney	AG
6-15-3	LX-HZ3105CEFD	J	Screw	AB
6-15-4	LANGK0750CEFW	J	Lamp Angle	AK
6-15-5	MSPRP0215CEFW	J	Spring (A)	AF
6-15-6	MSPRP0218CEFW	J	Spring (B)	AE
6-15-7	XBSSD30P06000	J	Screw, x2 (A)	AA
6-15-8	XBPSD20P04000	J	Screw, x2 (B)	AA
6-15-9	PSLDP3062CEFW	J	Lamp Shield	AG
6-15-10	XEPSD30P06000	J	Screw	AA
6-15-11	TLABZ0795CEZZ	J	Label	AC
6-15-12	XBPSD30P08JS0	J	Screw, x3	AA
6-15-13	TLABZ0758CEZZ	J	Label	AD
6-16	LANGK0680CEFW	J	Duct Holding Plate	AE
6-17	PLNS-0148CEZZ	J	CL1	BB
6-18	PLNS-0242CEZZ	J	CL3 (for Green)	BC
6-19	PLNS-0241CEZZ	J	CL2 (for Red)	BC
6-20	PLNS-0151CEZZ	J	RL1 (Incoming-Light)	AU
6-21	PLNS-0220CEZZ	J	RL2	AY
6-22	PLNS-0153CEZZ	J	RL3 (Outgoing-Light)	AU
6-23	PfILW0294CEZZ	J	Polarizer B	BG
6-24	PMiR-0216CEZZ	J	Mirror-M1	BA
6-25	PMiR-0219CEZZ	J	Mirror-M4/M6 ,x2	AS
6-26	PMiR-0271CEZZ	J	Mirror-M5	AL
6-27	PLNS-0219CEZZ	J	Flyeye Lens1	BP
6-29	PMiR-0266CEZZ	J	Mirror-M2	BC
6-30	PMiR-0267CEZZ	J	Mirror-M3	AZ
6-31	PLNS-0221CEZZ	J	Flyeye Lens2, PBS	CA
6-32	MSPRP1205CEFW	J	Flyeye Fitting Spring,x2	AD
6-34	LHLDZ3059CEFW	J	M1 Adjust Lever Ass'y	AK
6-35	LHLDZ3060CEFW	J	M Adjust Lever Ass'y, x2	AH
6-36	CLNS-0172CE01	J	Projection Lens	CG
6-37	RLCDP0141CEZZ	J	LCD Module Unit, Red	CT
6-38	RLCDP0142CEZZ	J	LCD Module Unit, Green	CT
6-39	RLCDP0143CEZZ	J	LCD Module Unit, Blue	CT
6-40	PMiR-0265CEZZ	J	Cross Prism (with Base)	CB
6-42	RH-HZ0048CEZZ	J	Temp. Sensor	AN
6-43	LANGU9029CEFW	J	Angle, for Temp. Sensor	AF
6-45	XAPSF20P05000	J	Screw M2-5, x2	AA
6-46	LX-BZ3402CEZZ	J	Screw 2P-5, x13	AB
6-47	XASSF26P06000	J	Screw M2.6-6, x12	AB
6-48	XBPSD26P04000	J	Screw M2.6-4	AA
6-49	LX-BZ3370CEFD	J	Screw 2.6P-6, x4	AB
6-51	XBBSDD26P08000	J	Screw 2.6P-8, x6	AA
6-52	XBPSD30P08JS0	J	Screw M3-8, x3	AA
6-53	XJPSD30P08000	J	Screw M3-8	AA
6-54	XBBSDD30P08000	J	Screw 3P-8, x4	AA
6-55	XBBSDD30P10000	J	Screw M3-10, x2	AA
6-57	XBBSDD40P20000	J	Screw M4-20, x2	AA
6-63	LANGH0144CEFW	J	Light Shielding Plate	AE
6-66	XBPSD26P06JS0	J	Screw 2.6P-6, x6	AA

Ref. No.	Part No.	★	Description	Code
6-67	LANGK0755CEFW	J	Angle, for Emergent Pollarizer B	AK
6-68	LANGK0785CEFW	J	Fan Angle for PBS	AK
6-69	LANGK0751CEFW	J	Fan Angle A	AF
6-70	LANGK0752CEFW	J	Fan Angle B	AE
6-71	LANGK0753CEFW	J	Fan Angle C	AF
6-72	LANGK0756CEFW	J	Fan Angle D	AF
6-73	LHLDZ0112CEKZ	J	RL2-Holder	AF
6-74	LHLDZ0113CEKZ	J	Holder for PBS Fan	AL
6-75	NFANR0125CE00	J	Cooling Fan (Intake for PBS)	AU
6-77	PfILW0254CEZZ	J	UV Filter	BA
6-78	PfILW0293CEZZ	J	UV Filter 0.8t	AY
6-79	PSPAZ0373CEZZ	J	Fan Bush, x15	AC
6-80	PSLDH3073CEFW	J	Duct shielding plate	AE
6-81	XBBSDD30P10000	J	Screw, x2	AA
6-82	PfILW0297CEZZ	J	Emergent Polarizer G	BE
6-83	PfILW0295CEZZ	J	Emergent Polarizer B	BH
6-84	QEARP0114CEFW	J	Heat Shielding Plate	AH
6-85	XBBSDD26P06000	J	Screw M2.6-6, x3	AA
6-86	XBPSDD30P10JS0	J	Screw M3-10, x4	AA
6-87	XBPSDD20P04000	J	Screw M2-4, x3	AA
6-88	XEPSDD26P08000	J	Screw M2.6-8, x4	AA
6-89	XEPSDD30P06000	J	Screw M3-6, x1	AA
6-90	XiPSF20P02000	J	Screw M2-2, x3	AA
6-91	PSLDP3078CEFW	J	Flyeye Lens Aperture	AG

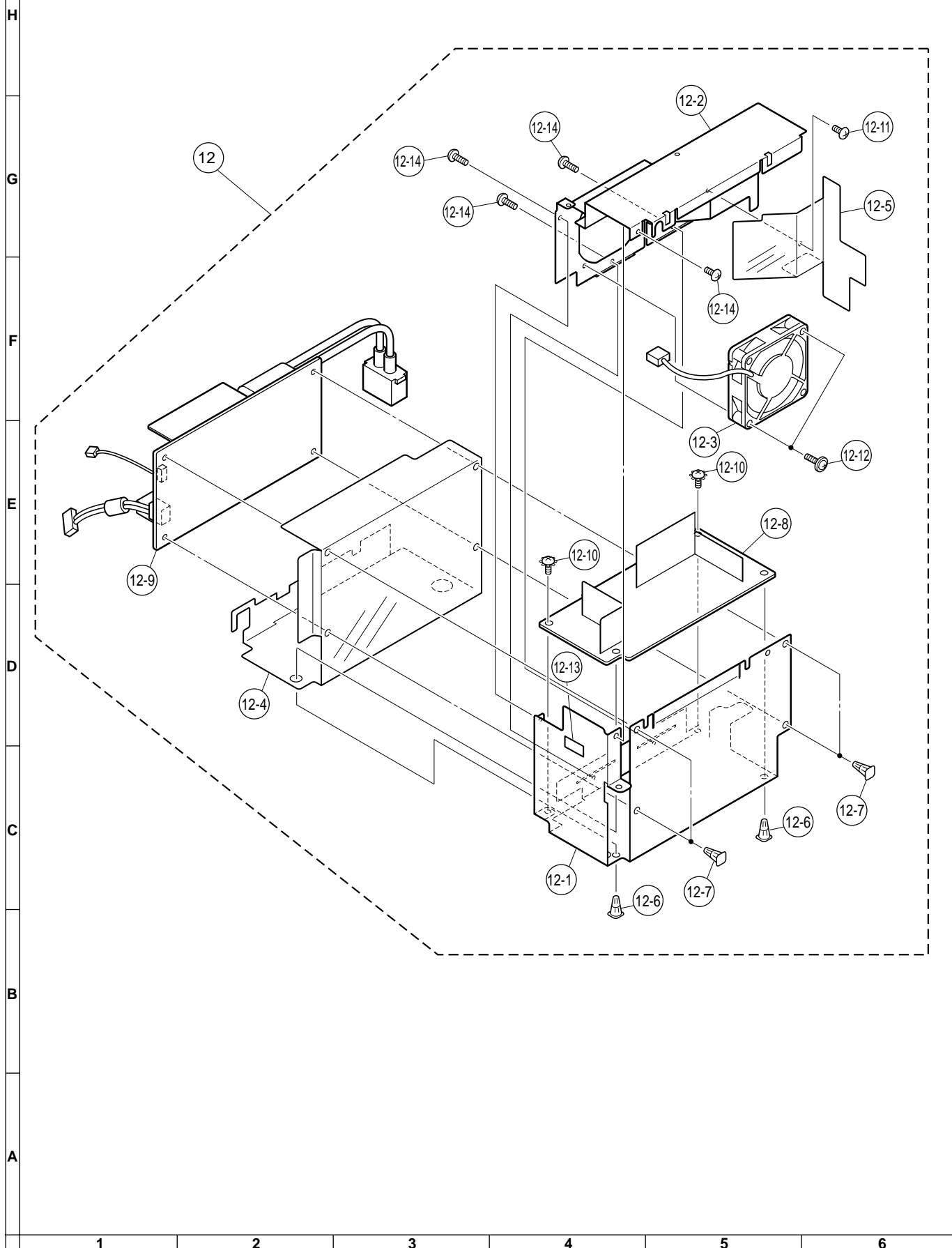
Ref. No.	Part No.	★	Description	Code
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Ref. No.	Part No.	★	Description	Code
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POWER/BALLAST UNIT PARTS

12	<i>Not Available</i>	—	Power/Ballast Unit Ass'y	—
12-1	9FJ0N00002020	J	Case Base	AX
12-2	9FJ0N00002030	J	Cover	AW
12-3	9FJ0M41001170	J	Fan	AZ
12-4	9FJ0A11901620	J	Insulating Sheet	AL
12-5	9FJ0A11901610	J	Insulating Sheet	
12-6	9FJ0G20002960	J	Spacer	AD
12-7	9FJ0G20002690	J	Spacer	AD
12-8	RDENC0334CEZZ	—	Power Unit	—
12-9	RDENC0333CEZZ	J	Ballast Unit	CC
			(The ballast unit is supplied only as an assembly.)	
12-10	9FJ0S89000080	J	Screw	AC
12-11	9FJ0S89000020	J	Screw	AB
12-12	9FJ0S08004200	J	Screw	AC
12-13	9FJ0K00001220	J	Serial Number Label	AU
12-14	XBPSD30P04000	J	Screw	AA

POWER/BALLAST UNIT PARTS/ TEILE FÜR NETZ-/BALLASTEINHEIT



Ref. No.	Part No.	★	Description	Code
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SUPPLIED ACCESSORIES

△	PFIID0076CEZZ	J	Extra Air Filter	AE
△	QACCU5013CEZZ	J	AC Cord (XG-C40XU)	AX
△	RCORF0083CEZZ	J	Core(XG-C40XU)	AL
△	QACCB5024CENA	J	AC Cord (XG-C40XE)	AZ
△	QACCV4002CEZZ	J	AC Cord (XG-C40XE)	AZ
	QCNW-4870CEZZ	J	Computer Audio Cable	AQ
	QCNW-5288CEZZ	J	DIN D-Sub RS-232C Cable	AM
	QCNWG0007CEPZ	J	USB Mouse Control Cable	AL
	QCNWG0002CEZZ	J	Computer RGB Cable	AW
	RRMCG1579CESA	J	Wireless R/C Unit (XG-C40XU)	BR
	RRMCG1584CESA	J	Wireless R/C Unit (XG-C40XE)	BR
	RUNTK0673CEZZ	J	Remote Mouse Receiver	BM
	UDSKA0053CEN1	J	CD-ROM (XG-C40XU)	AQ
	UDSKA0057CEN1	J	CD-ROM (XG-C40XE)	AQ
	TiNS-7482CEZZ	J	Operation Manual (XG-C40XU)	AS
	TiNS-7533CEZZ	J	Operation Manual (XG-C40XE)	AY
	TiNS-7483CEZZ	J	Quick Reference (XG-C40XU)	AG
	TiNS-7534CEZZ	J	Quick Reference (XG-C40XE)	AG
	TiNS-7535CEZZ	J	Quick Reference (XG-C40XE)	AG
	TiNS-7536CEZZ	J	Quick Reference (XG-C40XE)	AF
	TiNS-7538CEZZ	J	SAPS Operation Manual (XG-C40XU)	AM
	TiNS-7537CEZZ	J	SAPS Operation Manual (XG-C40XE)	AX
	GCOVH1307CESB	J	Lens Cap	AV

ACCESSORIES (NOT REPLACEMENT ITEM)

TCAUZ3036CEZZ	—	Software Caution	—
—	—	Two AA Size Batteries	—

Ref. No.	Part No.	★	Description	Code
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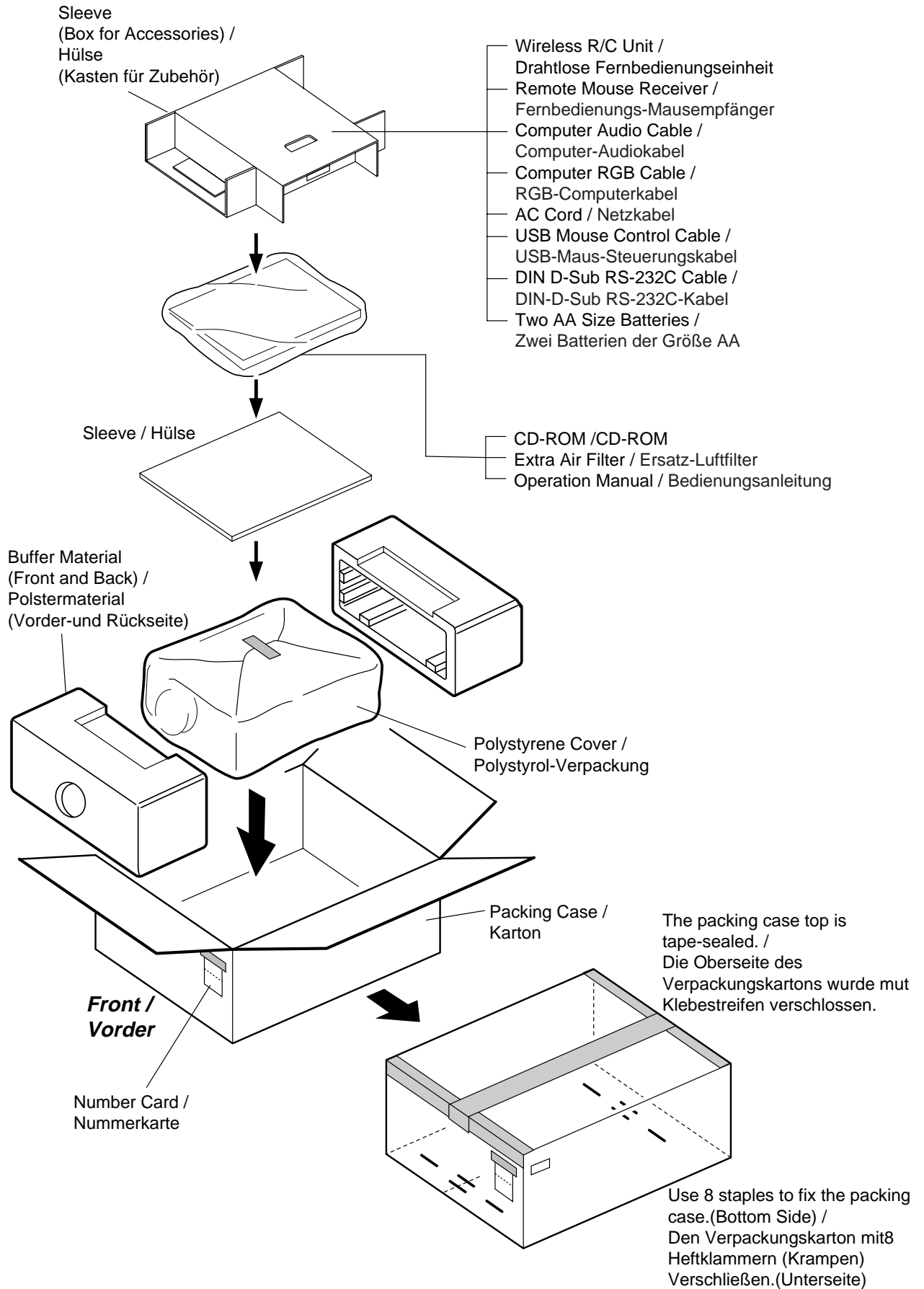
PACKING PARTS (NOT REPLACEMENT ITEM)

SPAKC5598CEZZ	—	Packing Case (XG-C40XU)	—
SPAKC5613CEZZ	—	Packing Case (XG-C40XE)	—
SPAKP0805CEZZ	—	Polystyrene Cover	—
SPAKX2918CEZZ	—	Buffer Material	—
SPAKF0467CEZZ	—	Sleeve(Box for Accessories)	—
TLABK0001TAZZ	—	Number Card	—

SERVICE JIGS (Use for servicing)

9DASPN-XGNV1U	J	Spanna, 3mm (Off-set Cam Adjustment)	BG
9EQDRIVER-NV1B	J	Screwdriver, (—) (Focus Adjustment)	BL
9EQLNC-XGNV1U or 9EQLNC-XGNV4U	J	Hexagon Wrench, 2mm (Convergence Adjustment)	BA
QCNW-5058CEZZ	J	Extension Cable 28-pin Signal(P1501)-Output(SC1501) Signal(P1502)-Output(SC1502)	CB
QCNW-4767CEZZ	J	Extension Cable 30-pin Signal (VS)-Video (VS) Signal (TN)-PC Terminal (TN)	BT
QCNW-5057CEZZ	J	Extension Cable 60-pin Output (TC1)-PC I/F (TC1) Output (TC2)-PC I/F (TC2) Output (TC3)-PC I/F (TC3)	CD
QCNW-5688CEZZ	J	Extension Cable 30-pin LCD Panel-Output	BK

PACKING OF THE SET / VERPACKEN DES GERÄTS



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